

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 07:03:15 ; Search time 11829.6 Seconds
(without alignments)
10.123 Million cell updates/sec

Title: US-09-093-972C-953

Perfect score: 23

Sequence: 1 TTTTCTTCCTTCCTTCCTTCCTTC 23

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	23	100.0	23	14	US-09-093-972C-953
2	23	100.0	23	19	US-09-509-152A-956
3	20.4	88.7	601	18	US-09-428-151A-10442
4	20.4	88.7	2116	1	PCT-US00-05989-261
5	20.4	88.7	2116	1	PCT-US00-23794-31
6	20.4	88.7	2217	1	PCT-US01-01324-2918
7	20.4	88.7	2217	1	PCT-US01-01353-447
8	20.4	88.7	2219	1	PCT-US01-01324-2917
9	20.4	88.7	2219	1	PCT-US01-01353-446
10	20.4	88.7	5673	53	US-60-212-655-106
11	20.4	88.7	32768	53	US-60-213-169-170
12	20.4	88.7	32768	53	US-60-213-170-170
13	20.4	88.7	86854	20	US-09-534-859-482
14	19.8	86.1	275	25	US-09-654-617-179541
15	19.8	86.1	275	27	US-09-684-016-179541
16	19.8	86.1	337	23	US-09-606-977-1159
17	19.8	86.1	489	16	US-09-234-611-19823
18	19.8	86.1	489	16	US-09-277-227-12543
19	19.8	86.1	502	22	US-09-572-409-49088
20	19.8	86.1	591	19	US-09-521-640-270870
21	19.8	86.1	733	17	US-09-397-761A-2948
22	19.8	86.1	1289	24	US-09-637-889-10390
23	19.8	86.1	1297	25	US-09-644-873-10213
24	19.8	86.1	1297	25	US-09-652-916-9825
25	19.8	86.1	1297	28	US-09-716-472-5672
26	19.8	86.1	1494	24	US-09-620-392-66296
27	19.8	86.1	1506	28	US-09-703-708-3995
28	19.8	86.1	1506	48	US-60-164-320-3995
29	19.8	86.1	1506	50	US-60-183-791-3995
30	19.8	86.1	1732	25	US-09-644-873-7430
31	19.8	86.1	1732	25	US-09-649-164-8032
32	19.8	86.1	1732	25	US-09-652-126-8681
33	19.8	86.1	1732	25	US-09-652-355-9968
34	19.8	86.1	1732	25	US-09-652-915-7450
35	19.8	86.1	1795	28	US-09-703-708-1266
36	19.8	86.1	1795	48	US-60-164-320-1266
37	19.8	86.1	1795	50	US-60-183-791-1266
38	19.8	86.1	2845	1	PCT-US00-07579-18
39	19.8	86.1	19631	24	US-09-620-392-42112
40	19.8	86.1	46478	58	US-60-261-974-49
41	19.8	86.1	99043	28	US-09-702-134-10389
42	19.8	86.1	129271	20	US-09-534-859-78
43	19.4	84.3	222	14	US-09-057-871-1861
44	19.4	84.3	234	28	US-09-703-708-3952
45	19.4	84.3	234	48	US-60-164-320-3952

ALIGNMENTS

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RESULT 1
US-09-093-972C-953
; Sequence 953, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 953:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 953:
US-09-093-972C-953

Query Match 100.0%; Score 23; DB 14; Length 23;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTGTCTCTCTTC 23
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DB 1 TTTTCCTTCCTTGTCTCTCTTC 23
   |||

RESULT 2
US-09-509-152A-956
; Sequence 956, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 953:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 953:
US-09-093-972C-953

Query Match 100.0%; Score 23; DB 14; Length 23;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTGTCTCTCTTC 23
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DB 1 TTTTCCTTCCTTGTCTCTCTTC 23
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RESULT 3
US-09-428-151A-10442/c
; Sequence 10442, Application US/09428151A
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: Nucleic Acid Molecules Derived from a
; HUMAN BRAIN LIBRARY
; FILE REFERENCE: 1600.1003001
; CURRENT APPLICATION NUMBER: US/09/428,151A
; CURRENT FILING DATE: 1999-10-27
; PRIOR APPLICATION NUMBER: 60/106,057
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 11036
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10442
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-428-151A-10442

Query Match 88.7%; Score 20.4; DB 18; Length 601;
Best Local Similarity 95.5%; Pred. No. 7,1e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TTTTCCTTCCTTGTCTCTCTTC 23
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Db 595 TTTCCTTCCTTTTCTCTCTTC 574

RESULT 4
PCT-US00-05989-261
; Sequence 261, Application PC/TUS00005989
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Human Pancreas and Pancreatic Cancer Associated Gene Sequences and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: PA05PCT
; CURRENT APPLICATION NUMBER: PCT/US00/05989
; CURRENT FILING DATE: 2000-03-08
; EARLIER APPLICATION NUMBER: 60/124,270
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 928
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 261
; LENGTH: 2116
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (35)
; OTHER INFORMATION: n equals a,t,g, or c
PCT-US00-05989-261

Query Match 88.7%; Score 20.4; DB 1; Length 2116;
Best Local Similarity 95.5%; Pred. No. 8.2e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTCCTTCCTTTTCTCTCTTC 22
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Db 657 ttctccctctgtctctctt 678

RESULT 5
PCT-US00-23794-31
; Sequence 31, Application PC/TUS0023794
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004PCT
; CURRENT APPLICATION NUMBER: PCT/US00/23794
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 2116
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (35)
; OTHER INFORMATION: n equals a,t,g, or c
PCT-US00-05989-261

Query Match 88.7%; Score 20.4; DB 1; Length 2116;
Best Local Similarity 95.5%; Pred. No. 8.2e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTCCTTCCTTTTCTCTCTTC 22
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Db 657 ttctccctctgtctctctt 678

RESULT 6
PCT-US01-01324-2918
; Sequence 2918, Application PC/TUS0101324
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC002PCT
; CURRENT APPLICATION NUMBER: PCT/US01/01324
; CURRENT FILING DATE: 2001-01-14
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 5116
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2918
; LENGTH: 2217
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01324-2918

Query Match 88.7%; Score 20.4; DB 1; Length 2217;
Best Local Similarity 95.5%; Pred. No. 8.3e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTCCTTCCTTTTCTCTCTTC 22
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Db 913 ttctccctctgtctctctt 934

RESULT 7
PCT-US01-01353-447
; Sequence 447, Application PC/TUS0101353
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA01PCT
; CURRENT APPLICATION NUMBER: PCT/US01/01353
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to file wrapper
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 447
; LENGTH: 2217
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01353-447
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; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000681
; CURRENT APPLICATION NUMBER: US/60/212,655
; CURRENT FILING DATE: 2000-06-19
; NUMBER OF SEQ ID NOS: 1131
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 5673
; TYPE: DNA
; ORGANISM: HUMAN
; US-60-212-655-106

Query Match      88.7%; Score 20.4; DB 53; Length 5673;
Best Local Similarity 95.5%; Pred. No. 9.3e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCCTCTT 22
|||||
Db 5122 TTTTCCTTCCTTTGTCCTTCTT 5101

RESULT 11
US-60-213-169-170/c
; Sequence 170, Application US/60213169
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, ELLEN
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000699
; CURRENT APPLICATION NUMBER: US/60/213,169
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 678
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 170
; LENGTH: 32768
; TYPE: DNA
; ORGANISM: HUMAN
; US-60-213-169-170

Query Match      88.7%; Score 20.4; DB 53; Length 32768;
Best Local Similarity 95.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCCTCTT 22
|||||
Db 8814 TTTTCCTTCCTTTGTCCTTCTT 8793

RESULT 12
US-60-213-170-170/c
; Sequence 170, Application US/60213170
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, ELLEN
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000699
; CURRENT APPLICATION NUMBER: US/60/213,170
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 678
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 170
; LENGTH: 32768
; TYPE: DNA
; ORGANISM: HUMAN
; US-60-213-170-170

Query Match      88.7%; Score 20.4; DB 53; Length 32768;

; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; APPLICANT: Beasley, Ellen
; FILE REFERENCE: CL000699
; CURRENT APPLICATION NUMBER: US/60212655
; CURRENT FILING DATE: 2001-01-14
; NUMBER OF SEQ ID NOS: 5116
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2917
; LENGTH: 2219
; TYPE: DNA
; ORGANISM: Homo sapiens
; PCT-US01-01324-2917

Query Match      88.7%; Score 20.4; DB 1; Length 2219;
Best Local Similarity 95.5%; Pred. No. 8.3e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCCTCTT 22
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Db 915 ttctctctctctctctcttctt 936

RESULT 9
PCT-US01-01353-446
; Sequence 446, Application PC/TUS0101353
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PALLIPT
; CURRENT APPLICATION NUMBER: PCT/US01/01353
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to file wrapper
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 446
; LENGTH: 2219
; TYPE: DNA
; ORGANISM: Homo sapiens
; PCT-US01-01353-446

Query Match      88.7%; Score 20.4; DB 1; Length 2219;
Best Local Similarity 95.5%; Pred. No. 8.3e+02;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCCTCTT 22
|||||
Db 915 ttctctctctctctctcttctt 936

RESULT 10
US-60-212-655-106/c
; Sequence 106, Application US/60212655
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
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Best Local Similarity 95.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTT 22
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DB 8814 TTTTCCTTCCTTTGTCTCTT 8793

RESULT 13

US-09-534-859-482
; Sequence 482, Application US/09534859
; GENERAL INFORMATION:
; APPLICANT: Bush, David F.
; APPLICANT: Last, Robert L.
; APPLICANT: Levin, Irena M.
; APPLICANT: Norris, Susan R.
; APPLICANT: Parnell, Laurence D.
; APPLICANT: Rounsley, Steven D.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: PLANT POLYMORPHIC MARKERS AND USES THEREOF
; FILE REFERENCE: 38-10(15493)B
; CURRENT APPLICATION NUMBER: US/09/534,859
; CURRENT FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 1127
; SEQ ID NO 482
; LENGTH: 86854
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-534-859-482

Query Match 88.7%; Score 20.4; DB 20; Length 86854;
Best Local Similarity 95.5%; Pred. No. 1.3e+03;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTT 22
|||||
DB 86183 tttcttcccttctctctt 86204

RESULT 14

US-09-654-617-179541/c
; Sequence 179541, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 179541
; LENGTH: 275
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; OTHER INFORMATION: unsure at all n locations
US-09-654-617-179541

Query Match 86.1%; Score 19.8; DB 25; Length 275;
Best Local Similarity 91.3%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTT 23
|||||
DB 197 TTTTCCTTCCTTTGTCTCTGC 175

RESULT 15

US-09-684-016-179541/c
; Sequence 179541, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: 38-21(15097)D
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 179541
; LENGTH: 275
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(275)
; OTHER INFORMATION: unsure at all n locations
US-09-684-016-179541

Query Match 86.1%; Score 19.8; DB 27; Length 275;
Best Local Similarity 91.3%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTT 23
|||||
DB 197 TTTTCCTTCCTTTGTCTCTGC 175

Search completed: April 26, 2001, 15:31:43
Job time: 30508 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 00:17:43 ; Search time 217.85 seconds
(without alignments)
29.023 Million cell updates/sec

Title: US-09-093-972c-953

Perfect score: 23

Sequence: 1 TTTTCTTCCTTCCTTCCTTCCTTC 23

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New.*
1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*
2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23	100.0	23	5	US-09-543-679A-956
2	23	100.0	1942	5	US-09-543-679A-2422
3	23	100.0	1942	5	US-09-543-679A-2434
4	23	100.0	5962	5	US-09-543-679A-2423
5	23	100.0	11786	5	US-09-543-679A-3005
6	23	100.0	117608	5	US-09-543-679A-3002
7	19.4	84.3	508	4	US-08-276-163D-9943
8	18.8	81.7	64666	6	US-06-248-505-642
9	18.8	81.7	230196	5	US-09-335-032-12204
10	18.8	81.7	230196	5	US-09-335-032-12204
11	18.8	81.7	237961	6	US-06-251-317-2
12	18.8	81.7	370158	6	US-06-248-505-162
13	18.8	81.7	562638	6	US-09-335-032-12211
14	18.4	80.0	91051	6	US-06-248-505-164
15	18.2	79.1	679	5	US-09-739-449-1238
16	18.2	79.1	28438	5	US-09-820-790-3
17	18.2	79.1	28737	6	US-06-248-505-583
18	18.2	79.1	95310	6	US-06-248-505-513
19	18.2	79.1	147068	6	US-06-248-505-357
20	18.2	79.1	334854	6	US-06-248-505-28
21	18.2	79.1	582670	6	US-06-248-505-4
22	17.8	77.4	170	5	US-09-801-833-576
23	17.8	77.4	344	6	US-06-010-803-3872
24	17.8	77.4	431	4	US-08-276-163D-6705
25	17.8	77.4	488	5	US-09-801-833-3091
26	17.8	77.4	506	4	US-08-276-163D-8938
27	17.8	77.4	1046	5	US-09-801-833-7216

c 28 17.8 77.4 1152 5 US-09-739-449-293 Sequence 293, App
c 29 17.8 77.4 50187 6 US-60-248-505-250 Sequence 250, App
c 30 17.8 77.4 59215 5 US-09-817-183-3 Sequence 3, Appl
c 31 17.8 77.4 97100 6 US-60-248-505-298 Sequence 298, App
c 32 17.8 77.4 118467 6 US-60-248-505-51 Sequence 51, Appl
c 33 17.8 77.4 357304 6 US-60-248-505-243 Sequence 243, App
c 34 17.8 77.4 449171 6 US-60-248-505-42 Sequence 42, Appl
c 35 17.4 75.7 1037 1 PCT-US01-01339-2310 Sequence 2310, Ap
c 36 17.4 75.7 36740 6 US-60-248-823-50 Sequence 50, Appl
c 37 17.4 75.7 101880 6 US-60-248-505-236 Sequence 650, App
c 38 17.4 75.7 120994 6 US-60-248-505-236 Sequence 236, App
c 39 17.2 74.8 122 5 US-09-540-212A-34661 Sequence 34661, A
c 40 17.2 74.8 234 5 US-09-724-866A-24101 Sequence 24101, A
c 41 17.2 74.8 249 5 US-09-540-212A-54031 Sequence 54031, A
c 42 17.2 74.8 303 5 US-09-724-866A-23919 Sequence 23919, A
c 43 17.2 74.8 312 5 US-09-724-866A-24805 Sequence 24805, A
c 44 17.2 74.8 318 5 US-09-724-866A-24064 Sequence 24064, A
c 45 17.2 74.8 331 5 US-09-724-866A-23873 Sequence 23873, A

ALIGNMENTS

RESULT 1

US-09-543-679A-956

; Sequence 956, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NICE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 956:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 23 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 956:

US-09-543-679A-956

Query Match

Best Local Similarity 100.0%; Score 23; DB 5; Length 23;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTTC 23
|||||
Db 1 TTTTCCTTCCTTTGTCTCTCTTC 23

RESULT 2

US-09-543-679A-2422/c

; Sequence 2422, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

; COMPOSITIONS, KIT & METHOD FOR TREATMENT

; OF AIRWAY DISORDERS ASSOCIATED WITH

; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2422:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1942 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:

US-09-543-679A-2422

Query Match 100.0%; Score 23; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTTC 23
|||||
Db 67 TTTTCCTTCCTTTGTCTCTCTTC 45

RESULT 3

US-09-543-679A-2434/c

; Sequence 2434, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

; COMPOSITIONS, KIT & METHOD FOR TREATMENT

; OF AIRWAY DISORDERS ASSOCIATED WITH

; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2434:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1942 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:

US-09-543-679A-2434

Query Match 100.0%; Score 23; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGTCTCTCTTC 23
|||||
Db 67 TTTTCCTTCCTTTGTCTCTCTTC 45

RESULT 4

US-09-543-679A-2423/c

; Sequence 2423, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

; COMPOSITIONS, KIT & METHOD FOR TREATMENT

; OF AIRWAY DISORDERS ASSOCIATED WITH

; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2423:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 5962 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 23; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTCCTTCCTTGTCTCTCTTC 23
|||||
Db 3946 TTTTCCTTCCTTGTCTCTCTTC 3924

RESULT 5
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543.679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3005:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11786 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 23; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTCCTTCCTTGTCTCTCTTC 23
|||||
Db 9911 TTTTCCTTCCTTGTCTCTCTTC 9889

RESULT 6
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543.679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11768 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 23; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTCCTTCCTTGTCTCTCTTC 23
|||||
Db 29180 TTTTCCTTCCTTGTCTCTCTTC 29158

RESULT 7
US-08-276-163D-9943
; Sequence 9943, Application US/08276163D
; GENERAL INFORMATION:
; APPLICANT: Adams, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products

```
; FILE REFERENCE: P014
; CURRENT APPLICATION NUMBER: US/08/276,163D
; CURRENT FILING DATE: 1994-07-15
; NUMBER OF SEQ ID NOS: 15314
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9943
; LENGTH: 508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (39)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (139)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (151)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (223)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (296)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (374)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (384)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (391)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (401)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (406)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (415)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (425)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (427)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (433)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (445)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (458)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (473)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (476)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (479)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (482)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (487)
; OTHER INFORMATION: n equals a,t,g, or c
```

```
; NAME/KEY: misc feature
; LOCATION: (489)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (490)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (492)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (493)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (496)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (506)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (507)
; OTHER INFORMATION: n equals a,t,g, or c
; US-08-276-163D-9943
```

```
Query Match 84.3%; Score 19.4; DB 4; Length 508;
Best Local Similarity 90.9%; Pred. No. 39;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 TTTTCCTTCCTTTGTCTCTCTT 22
    |||||
Db 124 ttctctctcttgttcttctt 145
```

RESULT 8

```
US-60-248-505-642/c
; Sequence 642, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 64666
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(64666)
; OTHER INFORMATION: n = A,T,C or G
; US-60-248-505-642
```

```
Query Match 81.7%; Score 18.8; DB 6; Length 64666;
Best Local Similarity 90.9%; Pred. No. 91;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 TTTTCCTTCCTTTGTCTCTCTT 22
    |||||
Db 62404 TTTTCCTTCCTTTGTCTCTCTT 62383
```

RESULT 9

```
US-09-335-032-12204
; Sequence 12204, Application US/09335032
; GENERAL INFORMATION:
; APPLICANT: Velculescu, Victor
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
```

;; TITLE OF INVENTION: Characterization of the Yeast
;; TITLE OF INVENTION: Transcriptome
;; FILE REFERENCE: 01107.78572
;; CURRENT APPLICATION NUMBER: US/09/335,032
;; CURRENT FILING DATE: 1999-06-16
;; PRIOR APPLICATION NUMBER: US 60/035,917
;; PRIOR FILING DATE: 1997-01-23
;; PRIOR APPLICATION NUMBER: US 09/012,031
;; PRIOR FILING DATE: 1998-01-22
;; NUMBER OF SEQ ID NOS: 12219
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 12204
;; LENGTH: 230196
;; TYPE: DNA
;; ORGANISM: Saccharomyces cerevisiae
US-09-335-032-12204

Query Match 81.7%; Score 18.8; DB 5; Length 230196;
Best Local Similarity 90.9%; Pred. No. 96;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TTTTCCTTCCTTGTCTCTCTT 22
||||| ||||| ||||| |||||
Db 217476 ttttccttccttttttctt 217497

RESULT 10
US-09-335-032-12204/c
;; Sequence 12204, Application US/09335032
;; GENERAL INFORMATION:
;; APPLICANT: Velculescu, Victor
;; APPLICANT: Vogelstein, Bert
;; APPLICANT: Kinzler, Kenneth
;; TITLE OF INVENTION: Characterization of the Yeast
;; TITLE OF INVENTION: Transcriptome
;; FILE REFERENCE: 01107.78572
;; CURRENT APPLICATION NUMBER: US/09/335,032
;; CURRENT FILING DATE: 1999-06-16
;; PRIOR APPLICATION NUMBER: US 60/035,917
;; PRIOR FILING DATE: 1997-01-23
;; PRIOR APPLICATION NUMBER: US 09/012,031
;; PRIOR FILING DATE: 1998-01-22
;; NUMBER OF SEQ ID NOS: 12219
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 12204
;; LENGTH: 230196
;; TYPE: DNA
;; ORGANISM: Saccharomyces cerevisiae
US-09-335-032-12204

Query Match 81.7%; Score 18.8; DB 5; Length 230196;
Best Local Similarity 90.9%; Pred. No. 96;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TTTTCCTTCCTTGTCTCTCTT 22
||||| ||||| ||||| |||||
Db 14794 TTTTCCTTCCTTGTCTCTT 14773

RESULT 11
US-60-251-317-2
;; Sequence 2, Application US/60251317
;; GENERAL INFORMATION:
;; APPLICANT: Cohen, Daniel
;; APPLICANT: Chumakov, Ilya
;; APPLICANT: Simon, Anne-Marie
;; APPLICANT: Abderrahm, Hadi
;; TITLE OF INVENTION: SCHIZOPHRENIA RELATED VOLTAGE-GATED ION CHANNEL GENE AND PROTEIN
;; FILE REFERENCE: 93.US1.PRO
;; CURRENT APPLICATION NUMBER: US/60/251,317
;; CURRENT FILING DATE: 2000-12-05

;; NUMBER OF SEQ ID NOS: 8
;; SOFTWARE: Patent.pm
;; SEQ ID NO 2
;; LENGTH: 237961
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: exon
;; LOCATION: 43726..43868
;; OTHER INFORMATION: exon 8
;; NAME/KEY: exon
;; LOCATION: 43998..44102
;; OTHER INFORMATION: exon 9
;; NAME/KEY: exon
;; LOCATION: 52093..52179
;; OTHER INFORMATION: exon 10
;; NAME/KEY: exon
;; LOCATION: 77568..77699
;; OTHER INFORMATION: exon 11
;; NAME/KEY: exon
;; LOCATION: 98226..98393
;; OTHER INFORMATION: exon 12
;; NAME/KEY: exon
;; LOCATION: 106567..106758
;; OTHER INFORMATION: exon 13
;; NAME/KEY: exon
;; LOCATION: 144109..144246
;; OTHER INFORMATION: exon 14
;; NAME/KEY: exon
;; LOCATION: 159794..159868
;; OTHER INFORMATION: exon 15
;; NAME/KEY: exon
;; LOCATION: 191292..191428
;; OTHER INFORMATION: exon 16
;; NAME/KEY: exon
;; LOCATION: 192967..193108
;; OTHER INFORMATION: exon 17
;; NAME/KEY: exon
;; LOCATION: 211540..211613
;; OTHER INFORMATION: exon 18
;; NAME/KEY: exon
;; LOCATION: 225006..225107
;; OTHER INFORMATION: exon 19
;; NAME/KEY: exon
;; LOCATION: 225544..225613
;; OTHER INFORMATION: exon 20
;; NAME/KEY: exon
;; LOCATION: 228450..228541
;; OTHER INFORMATION: exon 21
;; NAME/KEY: exon
;; LOCATION: 228630..228752
;; OTHER INFORMATION: exon 22
;; NAME/KEY: exon
;; LOCATION: 231289..231345
;; OTHER INFORMATION: exon 23
;; NAME/KEY: exon
;; LOCATION: 231589..231709
;; OTHER INFORMATION: exon 24
;; NAME/KEY: exon
;; LOCATION: 231813..231944
;; OTHER INFORMATION: exon 25
;; NAME/KEY: exon
;; LOCATION: 232900..233067
;; OTHER INFORMATION: exon 26
;; NAME/KEY: exon
;; LOCATION: 235355..235459
;; OTHER INFORMATION: exon 27
;; NAME/KEY: allele
;; LOCATION: 51090
;; OTHER INFORMATION: 99-79335-60 : polymorphic base C or T
;; NAME/KEY: allele
;; LOCATION: 61293
;; OTHER INFORMATION: 99-79336-369 : polymorphic base A or G

```
NAME/KEY: allele
LOCATION: 80602
OTHER INFORMATION: 99-79338-332 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 100485
OTHER INFORMATION: 99-79314-201 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 100509
OTHER INFORMATION: 99-79314-225 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 106725
OTHER INFORMATION: 99-79316-158 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 166087
OTHER INFORMATION: 99-79322-224 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 166336
OTHER INFORMATION: 99-79322-473 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 235894
OTHER INFORMATION: 99-79306-182 : polymorphic base C or T
NAME/KEY: primer_bind
LOCATION: 51031..51051
OTHER INFORMATION: 99-79335.pu
NAME/KEY: primer_bind
LOCATION: 51539..51559
OTHER INFORMATION: 99-79335.rp complement
NAME/KEY: primer_bind
LOCATION: 60925..60945
OTHER INFORMATION: 99-79336.pu
NAME/KEY: primer_bind
LOCATION: 61354..61374
OTHER INFORMATION: 99-79336.rp complement
NAME/KEY: primer_bind
LOCATION: 80271..80290
OTHER INFORMATION: 99-79338.pu
NAME/KEY: primer_bind
LOCATION: 80700..80720
OTHER INFORMATION: 99-79338.rp complement
NAME/KEY: primer_bind
LOCATION: 91037..91056
OTHER INFORMATION: 99-79339.pu
NAME/KEY: primer_bind
LOCATION: 91466..91486
OTHER INFORMATION: 99-79339.rp complement
NAME/KEY: primer_bind
LOCATION: 100285..100305
OTHER INFORMATION: 99-79314.pu
NAME/KEY: primer_bind
LOCATION: 100764..100784
OTHER INFORMATION: 99-79314.rp complement
NAME/KEY: primer_bind
LOCATION: 10568..10585
OTHER INFORMATION: 99-79316.pu
NAME/KEY: primer_bind
LOCATION: 107000..107020
OTHER INFORMATION: 99-79316.rp complement
NAME/KEY: primer_bind
LOCATION: 165864..165884
OTHER INFORMATION: 99-79322.pu
NAME/KEY: primer_bind
LOCATION: 166381..166401
OTHER INFORMATION: 99-79322.rp complement
NAME/KEY: primer_bind
LOCATION: 235713..235732
OTHER INFORMATION: 99-79306.pu
NAME/KEY: primer_bind
LOCATION: 236190..236210
OTHER INFORMATION: 99-79306.rp complement
NAME/KEY: primer_bind
LOCATION: 51071..51089
OTHER INFORMATION: 99-79335-60.mis
```

```
LOCATION: 51091..51109
OTHER INFORMATION: 99-79335-60.mis complement
NAME/KEY: primer_bind
LOCATION: 61274..61292
OTHER INFORMATION: 99-79336-369.mis
NAME/KEY: primer_bind
LOCATION: 61294..61312
OTHER INFORMATION: 99-79336-369.mis complement
NAME/KEY: primer_bind
LOCATION: 80583..80601
OTHER INFORMATION: 99-79338-332.mis
NAME/KEY: primer_bind
LOCATION: 80603..80621
OTHER INFORMATION: 99-79338-332.mis complement
NAME/KEY: primer_bind
LOCATION: 100486..100484
OTHER INFORMATION: 99-79314-201.mis
NAME/KEY: primer_bind
LOCATION: 100486..100504
OTHER INFORMATION: 99-79314-201.mis complement
NAME/KEY: primer_bind
LOCATION: 100490..100508
OTHER INFORMATION: 99-79314-225.mis
NAME/KEY: primer_bind
LOCATION: 100510..100528
OTHER INFORMATION: 99-79314-225.mis complement
NAME/KEY: primer_bind
LOCATION: 106706..106724
OTHER INFORMATION: 99-79316-158.mis
NAME/KEY: primer_bind
LOCATION: 106726..106744
OTHER INFORMATION: 99-79316-158.mis complement
NAME/KEY: primer_bind
LOCATION: 166068..166086
OTHER INFORMATION: 99-79322-224.mis
NAME/KEY: primer_bind
LOCATION: 166088..166106
OTHER INFORMATION: 99-79322-224.mis complement
NAME/KEY: primer_bind
LOCATION: 166317..166335
OTHER INFORMATION: 99-79322-473.mis
NAME/KEY: primer_bind
LOCATION: 166337..166355
OTHER INFORMATION: 99-79322-473.mis complement
```

```
Query Match      81.7%: Score 18.8; DB 6; Length 237961;
Best Local Similarity 90.9%; Pred. No. 96;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY 1 TTTTCCTTCCTTTGTCTCTCTT 22
      ||||| |||||
Db 190826 ttttcctgcatgtctctctt 190847
```

```
RESULT 12
US-60-248-505-162
; Sequence 162, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: fastSeq for Windows Version 4.0
; SEQ ID NO 162
; LENGTH: 370158
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
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; LOCATION: (1)...(370158)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-162

Query Match 81.7%; Score 18.8; DB 6; Length 370158;
Best Local Similarity 90.9%; Pred. No. 97;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGCTCTCTT 22
||||| ||||| ||||| ||||| |||||
Db 344927 ttcttcctctatgtctcttt 344948

RESULT 13
US-09-335-032-12211
; Sequence 12211, Application US/09335032
; GENERAL INFORMATION:
; APPLICANT: Velculescu, Victor
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
; TITLE OF INVENTION: Characterization of the Yeast
; TITLE OF INVENTION: Transcriptome
; FILE REFERENCE: 01107.78572
; CURRENT APPLICATION NUMBER: US/09/335,032
; CURRENT FILING DATE: 1999-06-16
; PRIOR APPLICATION NUMBER: US 60/035,917
; PRIOR FILING DATE: 1997-01-23
; PRIOR APPLICATION NUMBER: US 09/012,031
; PRIOR FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 12219
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12211
; LENGTH: 562638
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
US-09-335-032-12211

Query Match 81.7%; Score 18.8; DB 5; Length 562638;
Best Local Similarity 90.9%; Pred. No. 96;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGCTCTCTT 22
||||| ||||| ||||| ||||| |||||
Db 538094 ttcttcctctttttctcttt 538115

RESULT 14
US-60-248-505-164
; Sequence 164, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 164
; LENGTH: 91051
; TYPE: DNA
; ORGANISM: human
US-60-248-505-164

Query Match 80.0%; Score 18.4; DB 6; Length 91051;
Best Local Similarity 95.0%; Pred. No. 1.3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCTTCCTTTGCTCTCTT 22

Db 83021 ttcttcctctgtctcttt 83040

RESULT 15
US-09-739-449-1238
; Sequence 1238, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 1238
; LENGTH: 679
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(679)
; OTHER INFORMATION: unsure at all n locations
US-09-739-449-1238

Query Match 79.1%; Score 18.2; DB 5; Length 679;
Best Local Similarity 87.0%; Pred. No. 1.1e+02;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTTTCCTTCCTTTGCTCTCTT 23
||||| ||||| ||||| ||||| |||||
Db 508 ttcttcctctttttcttttc 530

Search completed: April 26, 2001, 17:25:07
Job time: 61644 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:43 ; Search time 11829.6 Seconds
(without alignments)
6.602 Million cell updates/sec

Title: US-09-093-972c-954
Perfect score: 15
Sequence: 1 GCTCCGGCTGCTG 15

Scoring table: IDENTITY_NUC
Gap 10.0 , Gapext 1.0

Searched: 13168893 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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59: /cgn2_6/ptodata/2/pna/US06027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	15	100.0	15	14	US-09-093-972C-954	Sequence 954, App
2	15	100.0	15	19	US-09-509-152A-957	Sequence 957, App
3	15	100.0	266	21	US-09-540-733-6648	Sequence 6648, App
4	15	100.0	405	16	US-09-287-618-9571	Sequence 9571, App
5	15	100.0	430	19	US-09-528-409-8479	Sequence 8479, App
6	15	100.0	468	50	US-60-180-489-2964	Sequence 2964, App
7	15	100.0	513	21	US-09-540-229-137344	Sequence 137344, App
8	15	100.0	1513	5	US-08-179-575-1	Sequence 1, Appli
9	15	100.0	2897	56	US-60-245-225-642	Sequence 642, App
10	15	100.0	2900	5	US-08-179-575-5	Sequence 5, Appli
11	15	100.0	2919	49	US-60-172-373-2355	Sequence 2355, App
12	15	100.0	80507	56	US-60-245-225-172	Sequence 172, App
13	14	93.3	40	19	US-09-507-691-9	Sequence 9, Appli
14	14	93.3	101	29	US-09-721-589-1791	Sequence 1791, App
15	14	93.3	112	24	US-09-628-859-1499	Sequence 1499, App
16	14	93.3	130	15	US-09-107-592-523	Sequence 523, App
17	14	93.3	130	20	US-09-534-845-21109	Sequence 21109, A
18	14	93.3	130	37	US-60-052-751-523	Sequence 523, App
19	14	93.3	160	17	US-09-321-209-1374	Sequence 1374, App
20	14	93.3	160	40	US-60-086-856-1374	Sequence 1374, App
21	14	93.3	172	17	US-09-321-209-565	Sequence 565, App
22	14	93.3	192	14	US-09-054-272-25	Sequence 25, Appli
23	14	93.3	208	17	US-09-304-517A-41410	Sequence 41410, A
24	14	93.3	212	17	US-09-303-031A-9044	Sequence 9044, App
25	14	93.3	216	17	US-09-321-209-5004	Sequence 5004, App
26	14	93.3	216	40	US-60-086-856-5004	Sequence 5004, App
27	14	93.3	217	17	US-09-321-209-5678	Sequence 5678, App
28	14	93.3	217	17	US-09-321-209-5678	Sequence 5678, App
29	14	93.3	221	34	US-60-025-143-1542	Sequence 1542, App
30	14	93.3	239	5	US-08-196-363-4977	Sequence 4977, App
31	14	93.3	239	5	US-08-196-363A-4977	Sequence 4977, App
32	14	93.3	239	5	US-08-196-363-4977	Sequence 4977, App
33	14	93.3	242	16	US-09-293-979A-2061	Sequence 2061, App
34	14	93.3	242	14	US-60-085-146-2061	Sequence 2061, App
35	14	93.3	269	17	US-09-321-209-5873	Sequence 5873, App
36	14	93.3	269	17	US-09-321-209-5873	Sequence 5873, App
37	14	93.3	275	17	US-60-086-856-5873	Sequence 5873, App
38	14	93.3	275	17	US-09-321-209-3452	Sequence 3452, App
39	14	93.3	283	17	US-09-321-209-5720	Sequence 5720, App
40	14	93.3	283	17	US-60-086-856-5720	Sequence 5720, App
41	14	93.3	290	17	US-09-303-031A-5140	Sequence 5140, App
42	14	93.3	291	17	US-09-321-209-1811	Sequence 1811, App
43	14	93.3	291	17	US-09-321-209-1811	Sequence 1811, App
44	14	93.3	293	17	US-09-303-031A-8967	Sequence 8967, App

ALIGNMENTS

```

RESULT 1
US-09-093-972C-954
; Sequence 954, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 954:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 954:
US-09-093-972C-954

Query Match 100.0%; Score 15; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCTG 15
Db 1 GCTCCCGGCTGCTG 15

RESULT 2
US-09-509-152A-957
; Sequence 957, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419

```

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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 957:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 957:
US-09-509-152A-957

Query Match 100.0%; Score 15; DB 19; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCTG 15
Db 1 GCTCCCGGCTGCTG 15

RESULT 3
US-09-540-733-6648/c
; Sequence 6648, Application US/09540733
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF SKIN TISSUE
; FILE REFERENCE: PD-1035 CIP
; CURRENT APPLICATION NUMBER: US/09/540,733
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 08/731,034
; PRIOR FILING DATE: October 2, 1996
; PRIOR APPLICATION NUMBER: 60/004,674
; PRIOR FILING DATE: October 2, 1995
; PRIOR APPLICATION NUMBER: 08/962,919
; PRIOR FILING DATE: October 23, 1997
; PRIOR APPLICATION NUMBER: 60/029,306
; PRIOR FILING DATE: October 25, 1996
; PRIOR APPLICATION NUMBER: 60/036,403
; PRIOR FILING DATE: January 21, 1997
; PRIOR APPLICATION NUMBER: 08/806,593
; PRIOR FILING DATE: February 26, 1997
; PRIOR APPLICATION NUMBER: 60/012,243

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```

; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-528-409-8479

Query Match          100.0%; Score 15; DB 19; Length 430;
Best Local Similarity 100.0%; Pred. NO. 2.3e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Caps 0;

```

US 00 100 403 2364/C
; Sequence 2964, Application US/60180489
; GENERAL INFORMATION:
; APPLICANT: Curtis, Anne
; APPLICANT: Lagace, Robert E.

; APPLICANT: Klingler, Tod M
; APPLICANT: Stuve, Laura L
; TITLE OF INVENTION: HUMAN
; FILE REFERENCE: PY-0002 P

```
%
% CURRENT FILLING DATE: 2000-02-03
% NUMBER OF SEQ ID NOS: 9,814
% SOFTWARE: PERL Program
% SEQ ID NO 2964
% LENGTH: 468
% TYPE: DNA
% ORGANISM: Homo sapiens
% FEATURE:
% NAME/KEY: misc_feature
% OTHER INFORMATION: Incyte ID No: CpG_991027_Bi5_masked_fa.Contig22846
% US-60-180-489-2964
```

db 110 GCTCCCGGCTGCCTG 96

US-09-540-229-137344/c
; Sequence 137344, Application
; GENERAL INFORMATION:
: APPLICANT: Seilhamer, Je

```

> APPLICANT: Stuart, Susan G.
> APPLICANT: Stuve, Laura L.
> APPLICANT: Mullahy, Sara J.
> APPLICANT: Naughton, Rebecca E.
> TITLE OF INVENTION: POLYNUCLEOTIDES OF NERVOUS SYSTEM AND SENSORY ORGANS
> FILE REFERENCE: PD-1033 CIP
> CURRENT APPLICATION NUMBER: US/09/540,229
> CURRENT FILING DATE: 2000-03-31
> Prior application data removed - refer to PALM or file wrapper
> NUMBER OF SEQ ID NOS: 193582
> SOFTWARE: PERL Program
> SEQ ID NO 137344
> LENGTH: 513
> TYPE: DNA
> ORGANISM: Homo sapiens
> FEATURE:
> NAME/KEY: misc_feature
> OTHER INFORMATION: Incyte ID No: hu00979883
> US-09-540-229-137344

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Query Match 100.0%; Score 15; DB 21; Length 513;
Best Local Similarity 100.0%; Pred. No. 2.3e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||
Db 429 GCTCCCGGCTGCCTG 415

RESULT 8

US-08-179-575-1/c
; Sequence 1, Application US/08179575
; GENERAL INFORMATION:
; APPLICANT: Stiles, Gary L.
; APPLICANT: Ren, Hongzu
; APPLICANT: Olah, Mark E.
; TITLE OF INVENTION: DNA Encoding the Human A1 Adenosine
; TITLE OF INVENTION: RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: North Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,575
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-64B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1513 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: intron
; LOCATION: 1..71
; FEATURE:
; NAME/KEY: exon
; LOCATION: 72..161
; FEATURE:
; NAME/KEY: intron
; LOCATION: 162..525
; FEATURE:
; NAME/KEY: exon
; LOCATION: 526..679
; FEATURE:
; NAME/KEY: intron
; LOCATION: 680..1030
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1031..1428
; NAME/KEY: CDS

; LOCATION: 1088..1426
US-08-179-575-1

Query Match 100.0%; Score 15; DB 5; Length 1513;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||
Db 148 GCTCCCGGCTGCCTG 134

RESULT 9

US-60-245-225-642
; Sequence 642, Application US/60245225
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000885
; CURRENT APPLICATION NUMBER: US/60/245,225
; CURRENT FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 705
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 2897
; TYPE: DNA
; ORGANISM: Human
US-60-245-225-642

Query Match 100.0%; Score 15; DB 56; Length 2897;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||
Db 2722 gctcccggtgcctg 2736

RESULT 10

US-08-179-575-5/c
; Sequence 5, Application US/08179575
; GENERAL INFORMATION:
; APPLICANT: Stiles, Gary L.
; APPLICANT: Ren, Hongzu
; APPLICANT: Olah, Mark E.
; TITLE OF INVENTION: DNA Encoding the Human A1 Adenosine
; TITLE OF INVENTION: RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: North Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,575
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-64B
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 411..1391
US-08-179-575-5

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCGCTG 15
Db 176 GCTCCCGGCTGCGCTG 162

RESULT 11
US-60-172-373-2355/c
Sequence 2355, Application US/60172373
GENERAL INFORMATION:
APPLICANT: Morris, MacDonald
APPLICANT: Lal, Preeti
TITLE OF INVENTION: Polynucleotide Sequence Polymorphisms Using
TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polymorph
FILE REFERENCE: GX-0006 P
CURRENT APPLICATION NUMBER: US/60/172,373
CURRENT FILING DATE: 1999-12-16
NUMBER OF SEQ ID NOS: 25,772
SOFTWARE: PERL Program
SEQ ID NO 2355
LENGTH: 2919
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: 474816.2
US-60-172-373-2355

Query Match 100.0%; Score 15; DB 49; Length 2919;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCGCTG 15
Db 176 GCTCCCGGCTGCGCTG 162

RESULT 12
US-60-245-225-172/c
Sequence 172, Application US/60245225
GENERAL INFORMATION:
APPLICANT: Beasley, Ellen
TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
TITLE OF INVENTION: PROTEINS, AND USES THEREOF
FILE REFERENCE: CL000885
CURRENT APPLICATION NUMBER: US/60/245,225
CURRENT FILING DATE: 2000-11-03
NUMBER OF SEQ ID NOS: 705
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 172

LENGTH: 80507
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(80507)
OTHER INFORMATION: n = A,T,C or G
US-60-245-225-172

Query Match 100.0%; Score 15; DB 56; Length 80507;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCGCTG 15
Db 39763 GCTCCCGGCTGCGCTG 39749

RESULT 13
US-09-507-691-9/c
Sequence 9, Application US/09507691
GENERAL INFORMATION:
APPLICANT: ISHIKAWA, Tetsuya
APPLICANT: KITAJIMA, Takashi
TITLE OF INVENTION: COLLAGEN-BINDING PHYSIOLOGICALLY ACTIVE POLYPEPTIDE
FILE REFERENCE: 029650-087
CURRENT APPLICATION NUMBER: US/09/507,691
CURRENT FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: JP 11-041913
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: JP 11-311364
PRIOR FILING DATE: 1999-11-01
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 9
LENGTH: 40
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:PCR sense
OTHER INFORMATION: primer for human basic fibroblast growth factor
US-09-507-691-9

Query Match 93.3%; Score 14; DB 19; Length 40;
Best Local Similarity 100.0%; Pred. No. 7.2e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCGCT 14
Db 32 GCTCCCGGCTGCGCT 19

RESULT 14
US-09-721-589-1791/c
Sequence 1791, Application US/09721589
GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: Villevial, Jean-Luc
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600-2045-001
CURRENT APPLICATION NUMBER: US/09/721,589
CURRENT FILING DATE: 2000-11-22
PRIOR APPLICATION NUMBER: 60/167,380
PRIOR FILING DATE: 1999-11-24
NUMBER OF SEQ ID NOS: 7017
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1791
LENGTH: 101
TYPE: DNA
ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(101)
; OTHER INFORMATION: n = A,T,C or G
US-09-721-589-1791

Query Match 93.3%; Score 14; DB 29; Length 101;
Best Local Similarity 100.0%; Pred. No. 7.1e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 CTCCTGGGCTGCTG 15
Db 41 CTCCTGGGCTGCTG 28

RESULT 15
US-09-628-859-1499/c
; Sequence 1499, Application US/09628859
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; FILE REFERENCE: P052
; CURRENT APPLICATION NUMBER: US/09/628,859
; CURRENT FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 6377
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1499
; LENGTH: 112
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (104)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (105)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (110)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (111)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (112)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-628-859-1499

Query Match 93.3%; Score 14; DB 24; Length 112;
Best Local Similarity 100.0%; Pred. No. 7.1e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 CTCCTGGGCTGCTG 15
Db 32 CTCCTGGGCTGCTG 19

Search completed: April 26, 2001, 15:31:45
Job time: 30510 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:07 ; Search time 217.85 seconds
(without alignments)
18.928 Million cell updates/sec

Title: US-09-093-972c-954

Perfect score: 15

Sequence: 1 GCTCCCGGCTGCTG 15

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New:*

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2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	100.0	15	US-09-543-679A-957	Sequence 957, App
2	15	100.0	1942	US-09-543-679A-2422	Sequence 2422, Ap
3	15	100.0	1942	US-09-543-679A-2434	Sequence 2434, Ap
4	15	100.0	2900	US-09-543-679A-2421	Sequence 2421, Ap
5	15	100.0	2900	US-09-543-679A-2431	Sequence 2431, Ap
6	15	100.0	5962	US-09-543-679A-2423	Sequence 2423, Ap
7	15	100.0	11786	US-09-543-679A-3005	Sequence 3005, Ap
8	15	100.0	29464	US-09-543-679A-3002	Sequence 3002, Ap
9	15	100.0	117680	US-09-543-679A-3007	Sequence 3007, A
10	14	93.3	280	US-09-543-679A-3007	Sequence 3007, A
11	14	93.3	1915	US-09-801-833-7775	Sequence 7775, Ap
12	14	93.3	2253	US-09-801-833-6980	Sequence 6980, Ap
13	14	93.3	23748	PCT-US01-01339-7917	Sequence 7917, Ap
14	13.4	89.3	216	US-09-540-212A-7166	Sequence 7166, Ap
15	13.4	89.3	350	US-09-540-212A-64276	Sequence 64276, A
16	13.4	89.3	474	US-09-801-833-5550	Sequence 5550, Ap
17	13.4	89.3	499	US-08-276-163D-11288	Sequence 11288, A
18	13.4	89.3	507	US-08-276-163D-14872	Sequence 14872, A
19	13.4	89.3	531	US-09-801-833-6917	Sequence 6917, Ap
20	13.4	89.3	541	US-09-801-833-2315	Sequence 2315, Ap
21	13.4	89.3	659	US-09-801-833-3593	Sequence 3593, Ap
22	13.4	89.3	663	US-09-810-869-23	Sequence 23, Appl
23	13.4	89.3	672	US-09-811-380-856	Sequence 856, App
24	13.4	89.3	810	US-09-739-449-326	Sequence 326, Appl
25	13.4	89.3	822	US-09-801-436-21	Sequence 21, Appl
26	13.4	89.3	5133	US-09-543-679A-2841	Sequence 2841, Ap
27	13.4	89.3	7789	PCT-US01-01339-6990	Sequence 6990, Ap

28 13.4 89.3 11749 1 PCT-US01-01339-9166 Sequence 9166, Ap
29 13.4 89.3 22081 6 US-60-248-505-38 Sequence 38, Appl
30 13.4 89.3 30420 1 PCT-US01-01339-9164 Sequence 9164, Ap
31 13.4 89.3 46677 6 US-60-248-823-10 Sequence 10, Appl
32 13.4 89.3 48537 6 US-60-248-505-26 Sequence 26, Appl
33 13.4 89.3 117358 6 US-60-248-505-567 Sequence 567, App
34 13.4 89.3 136141 6 US-60-248-823-8 Sequence 8, Appl
35 13.4 89.3 147068 6 US-60-248-505-357 Sequence 357, App
36 13.4 89.3 182307 6 US-60-248-505-219 Sequence 219, App
37 13.4 89.3 334854 6 US-60-248-505-28 Sequence 28, Appl
38 13 86.7 238 5 US-09-540-212A-12212 Sequence 12212, A
39 13 86.7 245 4 US-08-276-163D-3488 Sequence 3488, Ap
40 13 86.7 297 5 US-09-739-449-6873 Sequence 6873, Ap
41 13 86.7 468 5 US-09-802-365-5 Sequence 5, Appl
42 13 86.7 474 5 US-09-802-365-7 Sequence 7, Appl
43 13 86.7 2402 5 US-09-801-833-7025 Sequence 7025, Ap
44 13 86.7 2405 5 US-09-811-380-891 Sequence 891, App
45 13 86.7 4812 1 PCT-US01-01339-7500 Sequence 7500, Ap

ALIGNMENTS

RESULT 1

US-09-543-679A-957

; Sequence 957, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LONG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 957:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 957:

US-09-543-679A-957

Query Match

Best Local Similarity 100.0%; Score 15; DB 5; Length 15;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCTG 15
|||||
Db 1 GCTCCCGGCTGCCTG 15

RESULT 2

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2422:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCTG 15
|||||
Db 357 GCTCCCGGCTGCCTG 343

RESULT 3

US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCTG 15
|||||
Db 357 GCTCCCGGCTGCCTG 343

RESULT 4

US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2421:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2900 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCCGGCTGCTG 15
|||||
Db 176 GCTCCCGGCTGCTG 162

RESULT 5
US-09-543-679A-2433/c
;; Sequence 2433, Application US/09543679A
;; GENERAL INFORMATION:
;; APPLICANT: NYCE, Jonathan W.
;; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
;; COMPOSITIONS, KIT & METHOD FOR TREATMENT
;; OF AIRWAY DISORDERS ASSOCIATED WITH
;; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
;; NUMBER OF SEQUENCES: 3111
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
;; STREET: 7 Clarke Drive
;; CITY: Cranbury
;; STATE: NJ
;; COUNTRY: USA
;; ZIP: 08512
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: CD-R
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: N/A
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/543,679A
;; FILING DATE: 13-Apr-2000
;; CLASSIFICATION: UNKNOWN
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/127,958
;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2433:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2900 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCCGGCTGCTG 15
|||||
Db 176 GCTCCCGGCTGCTG 162

RESULT 6
US-09-543-679A-2423/c
;; Sequence 2423, Application US/09543679A
;; GENERAL INFORMATION:
;; APPLICANT: NYCE, Jonathan W.
;; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
;; COMPOSITIONS, KIT & METHOD FOR TREATMENT
;; OF AIRWAY DISORDERS ASSOCIATED WITH
;; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
;; NUMBER OF SEQUENCES: 3111
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
;; STREET: 7 Clarke Drive
;; CITY: Cranbury
;; STATE: NJ
;; COUNTRY: USA
;; ZIP: 08512
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: CD-R
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: N/A
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/543,679A
;; FILING DATE: 13-Apr-2000
;; CLASSIFICATION: UNKNOWN
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/127,958
;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2423:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 5962 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 15; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCCGGCTGCTG 15
|||||
Db 4236 GCTCCCGGCTGCTG 4222

RESULT 7
US-09-543-679A-3005/c
;; Sequence 3005, Application US/09543679A
;; GENERAL INFORMATION:
;; APPLICANT: NYCE, Jonathan W.
;; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
;;

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3005:
SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 15; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||

Db 10201 GCTCCCGGCTGCCTG 10187

RESULT 8

US-60-248-505-47/c
; Sequence 47, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: cl000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 47
; LENGTH: 29464
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(29464)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-47

Query Match 100.0%; Score 15; DB 6; Length 29464;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||

Db 1062 GCTCCCGGCTGCCTG 1048

RESULT 9

US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 15; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCCGGCTGCCTG 15
|||||

Db 29470 GCTCCCGGCTGCCTG 29456

RESULT 10

US-09-540-212A-61077/c
; Sequence 61077, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.

APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
FILE REFERENCE: PD-1034 CIP
CURRENT APPLICATION NUMBER: US/09/540,212A
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 67551
SOFTWARE: PERL Program
SEQ ID NO 71077
LENGTH: 280
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: incyte ID No: hu01333645
US-09-540-212A-61077

Query Match 93.3%; Score 14; DB 5; Length 280;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTCGCGGCTGCCTG 15
|||||
Db 25 CTCGCGGCTGCCTG 12

RESULT 11
US-09-801-833-7775/c
Sequence 7775, Application US/09801833
GENERAL INFORMATION:
APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: 1600.1037-005
CURRENT APPLICATION NUMBER: US/09/801,833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371,168
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 8285
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7775
LENGTH: 1915
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1915)
OTHER INFORMATION: n = A,T,C or G
US-09-801-833-7775

Query Match 93.3%; Score 14; DB 5; Length 1915;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCT 14
|||||
Db 1278 GCTCCCGGCTGCCT 1265

RESULT 12
US-09-801-833-6980
Sequence 6980, Application US/09801833
GENERAL INFORMATION:
APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
TITLE OF INVENTION: HUMAN BRAIN LIBRARY

FILE REFERENCE: 1600.1037-005
CURRENT APPLICATION NUMBER: US/09/801,833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371,168
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 8285
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6980
LENGTH: 2253
TYPE: DNA
ORGANISM: Homo sapiens
US-09-801-833-6980

Query Match 93.3%; Score 14; DB 5; Length 2253;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTCGCGGCTGCCTG 15
|||||
Db 56 CTCGCGGCTGCCTG 69

RESULT 13
PCT-US01-01339-7917/c
Sequence 7917, Application PC/TUS0101339
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc., et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006PCT
CURRENT APPLICATION NUMBER: PCT/US01/01339
CURRENT FILING DATE: 2001-03-17
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7917
LENGTH: 23748
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (14721)
OTHER INFORMATION: n equals a,t,g, or c
PCT-US01-01339-7917

Query Match 93.3%; Score 14; DB 1; Length 23748;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTCGCGGCTGCCTG 15
|||||
Db 5486 CTCGCGGCTGCCTG 5473

RESULT 14
US-09-540-212A-7166/c
Sequence 7166, Application US/09540212A
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Deleageane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
FILE REFERENCE: PD-1034 CIP
CURRENT APPLICATION NUMBER: US/09/540,212A
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 67551

; SOFTWARE: PERL Program
; SEQ ID NO 7166
; LENGTH: 216
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00434727
US-09-540-212A-7166

Query Match 89.3%; Score 13.4; DB 5; Length 216;
Best Local Similarity 93.3%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCTG 15
|||||
Db 53 GCTCCCGGCTGCCAG 39

RESULT 15

US-09-540-212A-64276
; Sequence 64276, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Deleageane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 64276
; LENGTH: 350
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: rat00108034
; NAME/KEY: unsure
; LOCATION: 183, 242, 337-338
; OTHER INFORMATION: a, t, c, g, or other
US-09-540-212A-64276

Query Match 89.3%; Score 13.4; DB 5; Length 350;
Best Local Similarity 93.3%; Pred. No. 3.6e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTCCCGGCTGCCTG 15
|||||
Db 320 gctcccggaagcctg 334

Search completed: April 26, 2001, 17:25:10
Job time: 61647 sec

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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:45 ; Search time 11829.6 Seconds
(without alignments)
12.764 Million cell updates/sec

Title: US-09-093-972C-955
Perfect score: 29
Sequence: 1 CTCGGCGCTGCGCTCTGCTCCGCT 29

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1316883 seqs, 2603265903 residues
Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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2: /cgn2_6/ptodata/2/pna/US06_COMB.seq.*
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4: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US081_COMB.seq.*
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24: /cgn2_6/ptodata/2/pna/US096B_COMB.seq.*
25: /cgn2_6/ptodata/2/pna/US096C_COMB.seq.*
26: /cgn2_6/ptodata/2/pna/US096D_COMB.seq.*
27: /cgn2_6/ptodata/2/pna/US096E_COMB.seq.*
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30: /cgn2_6/ptodata/2/pna/US097C_COMB.seq.*
31: /cgn2_6/ptodata/2/pna/US098_COMB.seq.*
32: /cgn2_6/ptodata/2/pna/US099_COMB.seq.*
33: /cgn2_6/ptodata/2/pna/US0001_COMB.seq.*
34: /cgn2_6/ptodata/2/pna/US0002_COMB.seq.*
35: /cgn2_6/ptodata/2/pna/US0003_COMB.seq.*
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37: /cgn2_6/ptodata/2/pna/US0005_COMB.seq.*
38: /cgn2_6/ptodata/2/pna/US0006_COMB.seq.*
39: /cgn2_6/ptodata/2/pna/US0007_COMB.seq.*
40: /cgn2_6/ptodata/2/pna/US0008_COMB.seq.*
41: /cgn2_6/ptodata/2/pna/US0009_COMB.seq.*
42: /cgn2_6/ptodata/2/pna/US0010_COMB.seq.*
43: /cgn2_6/ptodata/2/pna/US0011_COMB.seq.*

44: /cgn2_6/ptodata/2/pna/US0012_COMB.seq.*
45: /cgn2_6/ptodata/2/pna/US0013_COMB.seq.*
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47: /cgn2_6/ptodata/2/pna/US0015_COMB.seq.*
48: /cgn2_6/ptodata/2/pna/US0016_COMB.seq.*
49: /cgn2_6/ptodata/2/pna/US0017_COMB.seq.*
50: /cgn2_6/ptodata/2/pna/US0018_COMB.seq.*
51: /cgn2_6/ptodata/2/pna/US0019_COMB.seq.*
52: /cgn2_6/ptodata/2/pna/US0020_COMB.seq.*
53: /cgn2_6/ptodata/2/pna/US0021_COMB.seq.*
54: /cgn2_6/ptodata/2/pna/US0022_COMB.seq.*
55: /cgn2_6/ptodata/2/pna/US0023_COMB.seq.*
56: /cgn2_6/ptodata/2/pna/US0024_COMB.seq.*
57: /cgn2_6/ptodata/2/pna/US0025_COMB.seq.*
58: /cgn2_6/ptodata/2/pna/US0026_COMB.seq.*
59: /cgn2_6/ptodata/2/pna/US0027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	29	100.0	29	14	US-09-093-972C-955	Sequence 955, App
2	29	100.0	29	19	US-09-509-152A-958	Sequence 958, App
3	20.6	71.0	270	17	US-09-304-517A-3014	Sequence 3014, Ap
4	20.6	71.0	270	29	US-09-733-089-6234	Sequence 6234, Ap
5	20.6	71.0	328	22	US-09-594-596-8264	Sequence 8264, Ap
6	20.6	71.0	328	25	US-09-654-617-450809	Sequence 450809,
7	20.6	71.0	328	27	US-09-684-016-450809	Sequence 450809,
8	20.2	69.7	17912	28	US-09-702-134-25247	Sequence 25247, A
9	20.2	69.7	18248	24	US-09-620-392-51374	Sequence 51374, A
10	19.6	67.6	406	18	US-09-411-999-34964	Sequence 34964, A
11	19.4	66.9	345	28	US-09-716-473-803	Sequence 803, App
12	19.4	66.9	383	16	US-09-289-768-2119	Sequence 2119, Ap
13	19.4	66.9	388	22	US-09-572-409-16712	Sequence 16712, A
14	19.4	66.9	392	16	US-09-271-490-1595	Sequence 1595, Ap
15	19.4	66.9	395	16	US-09-289-768-2120	Sequence 2120, Ap
16	19.4	66.9	399	18	US-09-496-911-2887	Sequence 2887, Ap
17	19.4	66.9	402	16	US-09-289-768-1802	Sequence 1802, Ap
18	19.4	66.9	406	16	US-09-289-768-1870	Sequence 1870, Ap
19	19.4	66.9	408	17	US-09-362-510-23339	Sequence 23339, A
20	19.4	66.9	408	17	US-09-362-510A-23339	Sequence 23339, A
21	19.4	66.9	411	16	US-09-289-768-1315	Sequence 1315, Ap
22	19.4	66.9	412	52	US-60-202-213-1265	Sequence 1265, Ap
23	19.4	66.9	418	16	US-09-287-618-20698	Sequence 20698, A
24	19.4	66.9	418	25	US-09-654-617-454417	Sequence 454417,
25	19.4	66.9	418	27	US-09-684-016-454417	Sequence 454417,
26	19.4	66.9	419	17	US-09-362-510-22946	Sequence 22946, A
27	19.4	66.9	419	17	US-09-362-510A-22946	Sequence 22946, A
28	19.4	66.9	424	18	US-09-431-517-7333	Sequence 7333, Ap
29	19.4	66.9	432	17	US-09-362-510-23128	Sequence 23128, A
30	19.4	66.9	432	17	US-09-362-510A-23128	Sequence 23128, A
31	19.4	66.9	444	18	US-09-431-517-7138	Sequence 7138, Ap
32	19.4	66.9	446	16	US-09-289-768-802	Sequence 802, App
33	19.4	66.9	448	16	US-09-289-768-2236	Sequence 2236, Ap
34	19.4	66.9	464	19	US-09-528-409-71708	Sequence 71708, A
35	19.4	66.9	481	16	US-09-235-076-6561	Sequence 6561, Ap
36	19.4	66.9	481	16	US-09-248-797-22865	Sequence 22865, A
37	19.4	66.9	486	17	US-09-332-782-6561	Sequence 6561, Ap
38	19.4	66.9	486	17	US-09-362-510-47023	Sequence 47023, A
39	19.4	66.9	486	17	US-09-362-510A-47023	Sequence 47023, A
40	19.4	66.9	487	51	US-60-197-873-47615	Sequence 47615, A
41	19.4	66.9	492	16	US-09-277-227-17498	Sequence 17498, A
42	19.4	66.9	492	17	US-09-346-956-16028	Sequence 16028, A
43	19.4	66.9	493	16	US-09-248-797-21123	Sequence 21123, A
44	19.4	66.9	541	24	US-09-620-392-51013	Sequence 21013, A
45	19.4	66.9	541	28	US-09-702-134-13168	Sequence 13168, A

RESULT 4
US-09-733-089-6234
; Sequence 6234, Application US/09733089
; GENERAL INFORMATION:
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; FILE REFERENCE: Transcription In Plants
; CURRENT APPLICATION NUMBER: US/09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/474,435
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 24143
; SEQ ID NO 6234
; LENGTH: 270
; TYPE: DNA
; ORGANISM: Zea mays
US-09-733-089-6234

Query Match 71.0%; Score 20.6; DB 29; Length 270;
Best Local Similarity 85.2%; Pred. No. 3.9e+02;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 CTCGCCGCTGCGGCTCTGTCTGCCGCCG 27
|| ||||| ||||| ||||| ||||| |||||
Db 212 cgcagcgtgcgcactgcgcctccg 238

RESULT 5
US-09-594-596-8264/c
; Sequence 8264, Application US/09594596
; GENERAL INFORMATION:
; APPLICANT: Andersen, Scott E.
; APPLICANT: Byrum, Joseph R.
; APPLICANT: De La Pena, Robert C.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: PLANTS
; CURRENT APPLICATION NUMBER: 38-21(15878)B
; CURRENT FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 10952
; SEQ ID NO 8264
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Triticum aestivum
; OTHER INFORMATION: Clone ID: uc-tsrowl89035ell1b1
US-09-594-596-8264

Query Match 71.0%; Score 20.6; DB 22; Length 328;
Best Local Similarity 85.2%; Pred. No. 3.9e+02;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CGCCGCTGCGGCTCTGTCTGCCGCCG 29
|| ||||| ||||| ||||| ||||| |||||
Db 49 CGCTGCTGCGGCTCTGACGCTCGCGGT 23

RESULT 6
US-09-654-617-450809/c
; Sequence 450809, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong Annotated Plant Genes
; TITLE OF INVENTION: 38-21(15097)D
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 450809
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-09-654-617-450809

Query Match 71.0%; Score 20.6; DB 25; Length 328;
Best Local Similarity 85.2%; Pred. No. 3.9e+02;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CGCCGCTGCGGCTCTGTCTGCCGCCG 29
|| ||||| ||||| ||||| ||||| |||||
Db 49 CGCTGCTGCGGCTCTGACGCTCGCGGT 23

RESULT 7
US-09-684-016-450809/c
; Sequence 450809, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 450809
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-09-684-016-450809

Query Match 71.0%; Score 20.6; DB 27; Length 328;
Best Local Similarity 85.2%; Pred. No. 3.9e+02;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 3 CGCCGCTGCGGCTCTGTCTGCCGCCG 29
|| ||||| ||||| ||||| ||||| |||||
Db 49 CGCTGCTGCGGCTCTGACGCTCGCGGT 23

RESULT 8
US-09-702-134-25247/c
; Sequence 25247, Application US/09702134
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Plant Genome Sequence and Uses Thereof
; CURRENT APPLICATION NUMBER: 38-21(51237)F
; CURRENT FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 52202
; SEQ ID NO 25247
; LENGTH: 17912
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(17912)

RESULT 11

; CURRENT FILING DATE: 2000-05-16
 : PRIOR APPLICATION NUMBER: 60/134,429

Search completed: April 26, 2001, 15:31:47
Job time: 30512 sec

Query Match 66.9%; Score 19.4; DB 22; Length 388;
Best Local Similarity 79.3%; Pred. No. 1.1e+03;
Matches 23: Conservative 0; Mismatches 6; Indels 0

QY 1 CTCGGCCGTCGGGCTCTGTGCGCTCCCGGT 29
 ||| | | ||||| ||||| |||||
 pb 297 ctctctcctccggctctatcgcttccgg 325

```

RESULT      14
US-09-271--490-1595/c
; Sequence 1595, Application US/09271490
; GENERAL INFORMATION:
;   APPLICANT: Hyseq, Inc.
;   TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
;   TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
;   FILE REFERENCE: 20411-767
;   CURRENT APPLICATION NUMBER: US/09/271,490
;   CURRENT FILING DATE: 1999-03-18
;   NUMBER OF SEQ ID NOS: 19424
;   SOFTWARE: FastSeq for Windows Version 3.0
;   SEQ ID NO 1595
;   LENGTH: 392
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(392)
;   OTHER INFORMATION: n = A,T,C or G
US-09-271-490-1595

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Query Match	66.9%	Score 19.4;	DB 16;	Length 392;
Best Local Similarity	79.3%	Pred. No. 1.1e+03;		
Matches 23: Conservative	0: Mismatches 6: Indels			

QY 1 CTCGGCCGTGCGGCCTCTGTGCTCCCCGT 29
db 306 CTTGGCCTTGACAGATCTGTGTCTCCCCGT 278

```

RESULT 15
US-09-289-768-2120/c
; Sequence 2120, Application US/09289768
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-765
; CURRENT APPLICATION NUMBER: US/09/289,768
; CURRENT FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 39996
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2120
; LENGTH: 395
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-289-768-2120

```

Query Match 66.9%; Score 19.4; DB 16; Length 395;
Best Local Similarity 79.3%; Pred. No. 1.1e+03;
Matches 23: Conservative 0; Mismatches 6; Indels 0

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:10 ; Search time 217.85 Seconds
(without alignments)
36.594 Million cell updates/sec

Title: US-09-093-972c-955

Perfect score: 29

Sequence: 1 CTCGCGCGTCTGCTCTGCTCCCGGT 29

Scoring table:

IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: Pending_Patents_NA_New.*
- 2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_5/ptodata/2/pna/US06_NEW_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
- 7: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	100.0	29	5	US-09-543-679A-958
2	29	100.0	1942	5	US-09-543-679A-2422
3	29	100.0	1942	5	US-09-543-679A-2434
4	29	100.0	5962	5	US-09-543-679A-2423
5	29	100.0	11786	5	US-09-543-679A-3005
6	29	100.0	117608	5	US-09-543-679A-3002
7	19	65.5	679	5	US-09-739-449-1424
8	18.8	64.8	29464	6	US-60-248-505-47
9	18.6	64.1	4635	5	US-09-813-206-837
10	18.6	64.1	4668	5	US-09-783-514-2229
11	18.4	63.4	1299	5	US-09-739-449-5228
12	18.4	63.4	308503	5	US-09-739-449-214
13	18.2	62.8	6381	6	US-60-248-505-1593
14	18	62.1	1043	5	US-09-739-449-2079
15	18	62.1	3918	5	US-09-801-833-7410
16	18	62.1	84272	6	US-60-248-505-65
17	17.8	61.4	248	5	US-09-540-212A-40371
18	17.8	61.4	285	5	US-09-442-385-281
19	17.8	61.4	321	5	US-09-801-833-2998
20	17.8	61.4	391	5	US-09-724-866A-7933
21	17.8	61.4	1880	5	US-09-739-449-4293
22	17.8	61.4	260744	5	US-09-739-449-211
23	17.6	60.7	242	5	US-09-540-212A-64159
24	17.6	60.7	1029	5	US-09-739-449-6186
25	17.6	60.7	1865	5	US-09-813-206-910
26	17.6	60.7	33898	6	US-60-248-505-174
27	17.6	60.7	38812	6	US-60-248-505-382

Sequence 14109, A
Sequence 62715, A
Sequence 4607, Ap
Sequence 3, Appl
Sequence 212, App
Sequence 685, App
Sequence 686, App
Sequence 6317, Ap
Sequence 6778, Ap
Sequence 3396, Ap
Sequence 7357, Ap
Sequence 7357, Ap
Sequence 3171, Ap
Sequence 638, App
Sequence 5725, Ap
Sequence 13, Appl
Sequence 6560, Ap

28 17.4 60.0 491 4 US-08-276-163D-14109
29 17.4 60.0 533 5 US-09-540-212A-62715
30 17.4 60.0 1773 5 US-09-739-449-4607
31 17.4 60.0 8971 5 US-09-809-628-3
32 17.4 60.0 254289 5 US-09-739-449-212
33 17 58.6 396 5 US-09-801-833-685
34 17 58.6 793 5 US-09-801-833-6317
35 17 58.6 2005 5 US-09-811-380-686
36 16.8 57.9 259 1 PCT-US01-01339-7918
37 16.8 57.9 270 5 US-09-739-449-6778
38 16.8 57.9 564 5 US-09-801-833-3396
39 16.8 57.9 627 5 US-09-801-833-7357
40 16.8 57.9 750 5 US-09-739-449-2761
41 16.8 57.9 930 5 US-09-739-449-3171
42 16.8 57.9 964 5 US-09-739-449-638
43 16.8 57.9 1053 5 US-09-739-449-5725
44 16.8 57.9 3125 5 US-09-184-467-13
45 16.8 57.9 5150 1 PCT-US01-01339-6560

ALIGNMENTS

RESULT 1

US-09-543-679A-958

; Sequence 958, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 958:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 29 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 958:

US-09-543-679A-958

Query Match

Best Local Similarity 100.0%; Score 29; DB 5; Length 29;

Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```

; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 29; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29
|||||
Db 4100 CTCGGCGGTGGGCTCTGTGCTCCCGGT 4072
|||||

RESULT 5
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3005:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11786 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 29; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 0.0028;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29
|||||
Db 10065 CTCGGCGGTGGGCTCTGTGCTCCCGGT 10037
|||||

RESULT 6
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

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Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29
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Db 29334 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29306
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RESULT 7
US-09-739-449-1424
; Sequence 1424, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
```

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Query Match 100.0%; Score 29; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 0.0028;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002
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Query Match 100.0%; Score 29; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29
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Db 29334 CTCGGCGGTGGGCTCTGTGCTCCCGGT 29306
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RESULT 7
US-09-739-449-1424
; Sequence 1424, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
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Db      248 ggcgcgcggctccgaagctccgg 272
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      US-09-739-449-5288
      ; Sequence 5228, Application US/09739449
      ; GENERAL INFORMATION:
      ; APPLICANT: Hinkle, Gregory J.
      ; APPLICANT: Slater, Steven C.
      ; TITLE OF INVENTION: Agrobacterium tumefac-
      ; FILE REFERENCE: 38-10(15490)C
      ; CURRENT APPLICATION NUMBER: US/09/739,449
      ; CURRENT FILING DATE: 2000-12-19

```


US-09-139-449-3228

US-09-739-449-2079/C
; Sequence 2079, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.

1 APPLICANT: Slater, Steven C.
 2
 3 TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
 4
 5 FILE REFERENCE: 38-10(15490)C
 6
 7 CURRENT APPLICATION NUMBER: US/09/739,449
 8
 9 CURRENT FILING DATE: 2000-12-19
 10
 11 PRIOR APPLICATION NUMBER: US 09/514,000
 12
 13 PRIOR FILING DATE: 2000-02-23
 14
 15 NUMBER OF SEQ ID NOS: 13351

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RESULT 12
US-09-739-449-214/c
; Sequence 214, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351

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;
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1043)
; OTHER INFORMATION: unsure at all n
US-09-739-449-2079

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Query Match 62.1%; Score 18; DB 5; Length 1043;
Best Local Similarity 80.8%; Pred. No. 60;
Matches 21; Conservative 0; Mismatches 5; Indels

[illegible]

RESULT 15

US-09-801-833-7410
; Sequence 7410, Application US/09801833
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra

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; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM
; HUMAN BRAIN LIBRARY
; FILE REFERENCE: 1600.1037-005
; CURRENT APPLICATION NUMBER: US/09/801,833
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/371,168

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RESULT 13
US-60-248-505-1593/c
; Sequence 1593, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: g1000918
; CURRENT APPLICATION NUMBER: US/60/248,505

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; PRIOR APPLICATION NUMBER: 60/103,145
;
; PRIOR FILING DATE: 1998-10-05
;
; NUMBER OF SEQ ID NOS: 8285
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7410
; LENGTH: 3918
;

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-801-833-7410

Query Match 62.1%; Score 18; DB 5; Length 3918;
Best Local Similarity 80.8%; Pred. No. 53;

Query Match 62.1%; Score 18; DB 5; Length 3918;
Best Local Similarity 80.8%; Pred. No. 53;
Matches 21: Conservative 0; Mismatches 5; Indels 0; Gaps 0;

62.88; Score 18.2; DB 6; Length 6381;

Mon Apr 30 10:39:23 2001

us-09-093-972c-955.rnpn

Page 6

Search completed: April 26, 2001, 17:25:20
Job time: 61657 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:47 ; Search time 11829.6 seconds
(without alignments)
8.803 Million cell updates/sec

Title: US-09-093-972c-956

Perfect score: 20

Sequence: 1 CCGCGCGCCCTCCGGGGGTC 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main : *

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59: /cgn2_6/ptodata/2/pna/US6027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	20	100.0	20	14	US-09-093-972C-956	Sequence 956, App
2	20	100.0	20	19	US-09-309-152A-959	Sequence 959, App
3	20	100.0	419	16	US-09-274-861-2185	Sequence 2185, App
4	20	100.0	587	50	US-60-186-281-80	Sequence 80, Appl
5	20	100.0	587	50	US-60-186-281-81	Sequence 81, Appl
6	20	100.0	587	50	US-60-186-281-203	Sequence 203, App
7	20	100.0	637	21	US-09-548-789-5	Sequence 5, Appli
8	20	100.0	981	3	US-07-850-701-20	Sequence 20, Appl
9	20	100.0	981	3	US-07-850-702-20	Sequence 20, Appl
10	20	100.0	981	3	US-07-850-707A-20	Sequence 20, Appl
11	20	100.0	981	5	US-08-145-437-20	Sequence 20, Appl
12	20	100.0	981	6	US-08-239-473-20	Sequence 20, Appl
13	20	100.0	981	13	US-08-956-499-20	Sequence 20, Appl
14	20	100.0	981	14	US-09-080-704-20	Sequence 20, Appl
15	20	100.0	1267	14	US-09-016-434-1267	Sequence 1267, App
16	20	100.0	1290	7	US-08-351-414-1	Sequence 1, Appli
17	20	100.0	1296	1	PCT-US98-09031-4	Sequence 4, Appli
18	20	100.0	2359	54	US-60-229-515-655	Sequence 655, App
19	20	100.0	2897	56	US-60-245-225-642	Sequence 642, App
20	20	100.0	2900	5	US-08-179-575-5	Sequence 5, Appli
21	20	100.0	2919	49	US-60-172-373-2355	Sequence 2355, App
22	20	100.0	80507	56	US-60-245-225-172	Sequence 172, App
23	18.4	92.0	486	52	US-60-207-458-121785	Sequence 121785, A
24	18.4	92.0	551	52	US-60-209-830-60158	Sequence 60158, A
25	18.4	92.0	1584	25	US-09-654-617-273441	Sequence 273441, A
26	18.4	92.0	1584	27	US-09-684-016-273441	Sequence 273441, A
27	18	90.0	166180	54	US-60-226-176-1772	Sequence 1772, App
28	18	90.0	166180	55	US-60-233-468-1772	Sequence 1772, App
29	17.4	87.0	129	25	US-09-649-164-6312	Sequence 6312, App
30	17.4	87.0	227	7	US-08-385-268-409	Sequence 409, App
31	17.4	87.0	227	13	US-08-964-263-409	Sequence 409, App
32	17.4	87.0	227	13	US-09-540-766-35414	Sequence 35414, A
33	17.4	87.0	242	13	US-08-958-558-1379	Sequence 1379, App
34	17.4	87.0	242	21	US-09-540-208-9406	Sequence 9406, App
35	17.4	87.0	242	34	US-60-029-397-1379	Sequence 1379, App
36	17.4	87.0	267	20	US-09-539-800-12677	Sequence 12677, A
37	17.4	87.0	278	21	US-09-540-764-50229	Sequence 50229, A
38	17.4	87.0	284	14	US-09-070-695A-1551	Sequence 1551, App
39	17.4	87.0	284	21	US-09-540-229-12534	Sequence 12534, A
40	17.4	87.0	288	20	US-09-539-800-9433	Sequence 9433, App
41	17.4	87.0	297	20	US-09-539-800-12812	Sequence 12812, A
42	17.4	87.0	309	15	US-09-179-473-2140	Sequence 2140, App
43	17.4	87.0	309	17	US-09-328-351-2140	Sequence 2140, App
44	17.4	87.0	309	23	US-09-605-702-11679	Sequence 11679, A
45	17.4	87.0	309	46	US-60-146-224-8042	Sequence 8042, App

ALIGNMENTS

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RESULT 1
US-09-093-972c-956
; Sequence 956, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
;
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 956:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 956:
US-09-093-972c-956

Query Match 100.0%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
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Db 1 CCGCGCCCTCCGGGGGTC 20

RESULT 2
US-09-509-152A-959
; Sequence 959, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
;
; NUMBER OF SEQUENCES: 2419
```

```
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 959:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 959:
US-09-509-152A-959

Query Match 100.0%; Score 20; DB 19; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
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Db 1 CCGCGCCCTCCGGGGGTC 20

RESULT 3
US-09-274-861-2185/c
; Sequence 2185, Application US/09274861
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS OBTAINED FROM
; FILE OF INVENTION: VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-770
; CURRENT APPLICATION NUMBER: US/09/274,861
; CURRENT FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 11371
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2185
; LENGTH: 419
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(419)
; OTHER INFORMATION: n = A,T,C or G
US-09-274-861-2185

Query Match 100.0%; Score 20; DB 16; Length 419;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 CCGCGCCCTCCGGGGGTC 20
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Db 230 CCGCGCCCTCCGGGGGTC 211

RESULT 4
US-60-186-281-80
; Sequence 80, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-80

Query Match 100.0%; Score 20; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 479 CCGCGCCCTCCGGGGGTC 498

RESULT 5
US-60-186-281-81
; Sequence 81, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-81

Query Match 100.0%; Score 20; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 479 CCGCGCCCTCCGGGGGTC 498

RESULT 6
US-60-186-281-203
; Sequence 203, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281

; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-203

Query Match 100.0%; Score 20; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 479 CCGCGCCCTCCGGGGGTC 498

RESULT 7
US-09-548-789-5/c
; Sequence 5, Application US/09548789
; GENERAL INFORMATION:
; APPLICANT: Erlanger, Bernard F
; APPLICANT: Dong, Qinye
; TITLE OF INVENTION: MANAGEMENT OF DIABETES BY STIMULATION OF THE A1
; TITLE OF INVENTION: ADENOSINE RECEPTOR IN ADIPOSE TISSUE
; FILE REFERENCE: 58076-A/JPW/EMW
; CURRENT APPLICATION NUMBER: US/09/548,789
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human Fat A1 Adenosine Receptor
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(637)
US-09-548-789-5

Query Match 100.0%; Score 20; DB 21; Length 637;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 35 CCGCGCCCTCCGGGGGTC 16

RESULT 8
US-07-850-701-20/c
; Sequence 20, Application US/07850701
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Marlene A
; APPLICANT: Johnson, Robert G
; APPLICANT: Luneau, Christopher J
; APPLICANT: Salvatore, Christopher A
; TITLE OF INVENTION: Human Adenosine Receptors cDNA
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/850,701
;; FILING DATE: 19920313
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Panzer, Curtis C
;; REGISTRATION NUMBER: 33,752
;; REFERENCE/DOCKET NUMBER: 18,700
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908)594-3199
;; TELEFAX: (908)594-4720
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
US-07-850-701-20

Query Match 100.0%; Score 20; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCGCCCTCCGGGGGTC 20
Db 376 CCGCGCGCCCTCCGGGGGTC 357

RESULT 9
US-07-850-702-20/c
;; Sequence 20, Application US/07850702
;; GENERAL INFORMATION:
;; APPLICANT: Jacobson, Marlene A
;; APPLICANT: Johnson, Robert G
;; APPLICANT: Luneau, Christopher J
;; APPLICANT: Salvatore, Christopher A
;; TITLE OF INVENTION: Human Adenosine Receptors
;; NUMBER OF SEQUENCES: 24
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O. Box 2000
;; CITY: Rahway
;; STATE: NJ
;; COUNTRY: United States
;; ZIP: 07065
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent in Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/850,702
;; FILING DATE: 19920313
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Panzer, Curtis C
;; REGISTRATION NUMBER: 33,752
;; REFERENCE/DOCKET NUMBER: 18,699
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908)594-3199
;; TELEFAX: (908)594-4720
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
US-07-850-702-20

Query Match 100.0%; Score 20; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCGCCCTCCGGGGGTC 20
Db 376 CCGCGCGCCCTCCGGGGGTC 357

RESULT 10
US-07-850-707A-20/c
;; Sequence 20, Application US/07850707A
;; GENERAL INFORMATION:
;; APPLICANT: Jacobson, Marlene A
;; APPLICANT: Johnson, Robert G
;; APPLICANT: Luneau, Christopher J
;; APPLICANT: Salvatore, Christopher A
;; TITLE OF INVENTION: Method of Using Human Adenosine
;; TITLE OF INVENTION: Receptors
;; NUMBER OF SEQUENCES: 24
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O. Box 2000
;; CITY: Rahway
;; STATE: NJ
;; COUNTRY: United States
;; ZIP: 07065
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent in Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/850,707A
;; FILING DATE: 19920313
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Panzer, Curtis C
;; REGISTRATION NUMBER: 33,752
;; REFERENCE/DOCKET NUMBER: 18,701
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908)594-3199
;; TELEFAX: (908)594-4720
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
US-07-850-707A-20

Query Match 100.0%; Score 20; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCGCCCTCCGGGGGTC 20
Db 376 CCGCGCGCCCTCCGGGGGTC 357

RESULT 11
US-08-145-437-20/c
;; Sequence 20, Application US/08145437
;; GENERAL INFORMATION:
;; APPLICANT: Doyle, Michael P
;; APPLICANT: Duling, Brian R
;; APPLICANT: Jacobson, Marlene A
;; APPLICANT: Johnson, Robert G
;; APPLICANT: Linden, Joel M
;; TITLE OF INVENTION: HUMAN ADENOSINE RECEPTOR ANTAGONISTS
;; NUMBER OF SEQUENCES: 28

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O.Box 2000
;; CITY: Rahway
;; STATE: New Jersey
;; COUNTRY: United States
;; ZIP: 07065
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; FILING DATE: 29-OCT-1993
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Bencen, Gerard H
;; REGISTRATION NUMBER: 35,746
;; REFERENCE/DOCKET NUMBER: 19117
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908) 594-3901
;; TELEFAX: (908) 594-4720
;;
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;;
;; US-08-145-437-20

Query Match 100.0%; Score 20; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
Db 376 CCGCGCCCTCCGGGGGTC 357

RESULT 12
US-08-239-473-20/c
;; Sequence 20, Application US/08239473
;; GENERAL INFORMATION:
;; APPLICANT: Jacobson, Marlene A
;; TITLE OF INVENTION: INHIBITION OF TNFalpha PRODUCTION
;; NUMBER OF SEQUENCES: 56
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O.Box 2000
;; CITY: Rahway
;; STATE: New Jersey
;; COUNTRY: United States
;; ZIP: 07065
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/239,473
;; FILING DATE: 6-MAY-1994
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Bencen, Gerard H
;; REGISTRATION NUMBER: 35,746
;; REFERENCE/DOCKET NUMBER: 19222
;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: (908) 594-3901
;; TELEFAX: (908) 594-4720
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;;
;; US-08-239-473-20

Query Match 100.0%; Score 20; DB 6; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
Db 376 CCGCGCCCTCCGGGGGTC 357

RESULT 13
US-08-956-499-20/c
;; Sequence 20, Application US/08956499
;; GENERAL INFORMATION:
;; APPLICANT: Jacobson, Marlene A
;; TITLE OF INVENTION: INHIBITION OF TNFalpha PRODUCTION
;; NUMBER OF SEQUENCES: 56
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O.Box 2000
;; CITY: Rahway
;; STATE: New Jersey
;; COUNTRY: United States
;; ZIP: 07065
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/956,499
;; FILING DATE:
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/239,473
;; FILING DATE: 6-MAY-1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Bencen, Gerard H
;; REGISTRATION NUMBER: 35,746
;; REFERENCE/DOCKET NUMBER: 19222
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908) 594-3901
;; TELEFAX: (908) 594-4720
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 981 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;;
;; US-08-956-499-20

Query Match 100.0%; Score 20; DB 13; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 376 CCGCGCCCTCCGGGGGTC 357

RESULT 14

US-09-080-704-20/c
; Sequence 20, Application US/09080704
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Marlene A
; APPLICANT: Johnson, Robert G
; APPLICANT: Luneau, Christopher A
; TITLE OF INVENTION: Human Adenosine Receptors
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/080,704
; FILING DATE: 18 May 1998
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Parr, Richard S.
; REGISTRATION NUMBER: 32,586
; REFERENCE/DOCKET NUMBER: 18699DB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (732)594-4958
; TELEFAX: (732)594-4720
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 981 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-080-704-20

Query Match 100.0%; Score 20; DB 14; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 376 CCGCGCCCTCCGGGGGTC 357

RESULT 15

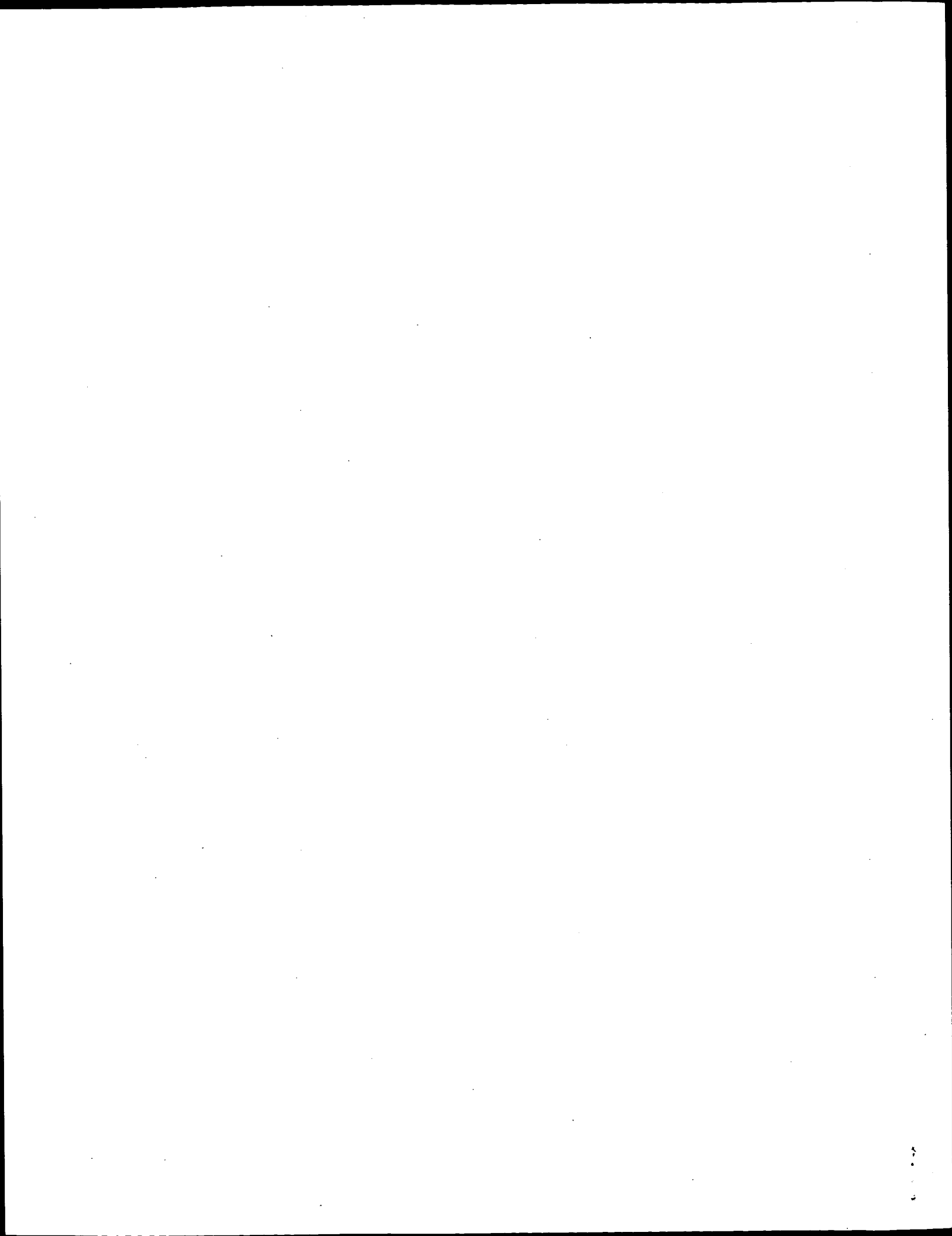
US-09-016-434-1267/c
; Sequence 1267, Application US/09016434
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1267:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1267 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g256154
US-09-016-434-1267

Query Match 100.0%; Score 20; DB 14; Length 1267;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 460 CCGCGCCCTCCGGGGGTC 441

Search completed: April 26, 2001, 15:31:48
Job time: 30513 sec



GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:20 ; Search time 217.85 Seconds
(without alignments)
25.238 Million cell updates/sec

Title: US-09-093-972c-956

Perfect score: 20

Sequence: 1 CCGCGCCCTCCGGGGGTC 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New.*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*

2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*

4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*

5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*

6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	100.0	20	5	US-09-543-679A-959
2	20	100.0	81	5	Sequence 959, App
3	20	100.0	981	5	Sequence 2420, Ap
4	20	100.0	981	5	Sequence 2432, Ap
5	20	100.0	1942	5	Sequence 2422, Ap
6	20	100.0	1942	5	Sequence 2434, Ap
7	20	100.0	2900	5	Sequence 2421, Ap
8	20	100.0	2900	5	Sequence 2433, Ap
9	20	100.0	5962	5	Sequence 2423, Ap
10	20	100.0	11768	5	Sequence 3005, Ap
11	17.4	87.0	3573	5	Sequence 3002, Ap
12	16.8	84.0	316	5	Sequence 7744, Ap
13	16.8	84.0	794	5	Sequence 1628, Ap
14	16.8	84.0	1232	1	Sequence 2594, Ap
15	16.8	84.0	1353	1	Sequence 3, Appl
16	16.4	82.0	331	5	Sequence 89, Appl
17	16.4	82.0	831	5	Sequence 2785, Ap
18	15.8	79.0	83	5	Sequence 933, App
19	15.8	79.0	124	5	Sequence 33265, A
20	15.8	79.0	185	5	Sequence 18279, A
21	15.8	79.0	197	5	Sequence 13951, A
22	15.8	79.0	197	5	Sequence 34398, A
23	15.8	79.0	226	5	Sequence 36761, A
24	15.8	79.0	226	5	Sequence 16240, A
25	15.8	79.0	227	5	Sequence 25757, A
26	15.8	79.0	228	5	Sequence 34642, A
27	15.8	79.0	228	5	Sequence 537, App
					Sequence 9362, Ap

28 15.8 79.0 229 5 US-09-540-212A-19794 Sequence 19794, A
29 15.8 79.0 231 5 US-09-540-212A-10679 Sequence 10679, A
30 15.8 79.0 234 5 US-09-540-212A-45074 Sequence 45074, A
31 15.8 79.0 235 5 US-09-540-212A-60877 Sequence 60877, Ap
32 15.8 79.0 236 5 US-09-540-212A-6752 Sequence 6752, Ap
33 15.8 79.0 239 5 US-09-540-212A-17601 Sequence 17601, A
34 15.8 79.0 240 5 US-09-540-212A-12484 Sequence 12484, A
35 15.8 79.0 243 5 US-09-540-212A-3494 Sequence 3494, Ap
36 15.8 79.0 244 5 US-09-540-212A-28508 Sequence 28508, A
37 15.8 79.0 245 5 US-09-540-212A-36726 Sequence 36726, A
38 15.8 79.0 247 5 US-09-540-212A-23162 Sequence 23162, A
39 15.8 79.0 248 5 US-09-540-212A-39930 Sequence 39930, A
40 15.8 79.0 252 5 US-09-540-212A-17271 Sequence 17271, A
41 15.8 79.0 254 5 US-09-540-212A-24548 Sequence 24548, A
42 15.8 79.0 256 5 US-09-540-212A-25521 Sequence 25521, A
43 15.8 79.0 257 5 US-09-540-212A-24628 Sequence 24628, A
44 15.8 79.0 258 5 US-09-540-212A-3648 Sequence 3648, Ap
45 15.8 79.0 258 5 US-09-540-212A-3648 Sequence 3648, Ap

ALIGNMENTS

RESULT 1

US-09-543-679A-959

; Sequence 959, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

; COMPOSITIONS, KIT & METHOD FOR TREATMENT

; OF AIRWAY DISORDERS ASSOCIATED WITH

; BRONCHOCONSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 959:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 959:

Query Match 100.0%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 6.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCCGCTCCGGGGGTC 20
|||||
Db 1 CGCGCCGCTCCGGGGGTC 20

RESULT 2

US-09-543-679A-2420/c

; Sequence 2420, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2420:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2420:

US-09-543-679A-2420

Query Match 100.0%; Score 20; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCCGCTCCGGGGGTC 20
|||||
Db 376 CGCGCCGCTCCGGGGGTC 357

RESULT 3

US-09-543-679A-2432/c

; Sequence 2432, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2432:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2432:

US-09-543-679A-2432

Query Match 100.0%; Score 20; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCCGCTCCGGGGGTC 20
|||||
Db 376 CGCGCCGCTCCGGGGGTC 357

RESULT 4

US-09-543-679A-2422/c

; Sequence 2422, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

```

, FILING DATE: 1998-08-03
, ATTORNEY/AGENT INFORMATION:
, NAME: Amzel, Viviana
, REGISTRATION NUMBER: 30
, REFERENCE/DOCKET NUMBER
, TELECOMMUNICATION INFORMATION
, TELEPHONE: 609-409-3035
, TELEFAX: 413-254-9245
, TELEX: <Unknown>
, INFORMATION FOR SEQ ID NO: 2422:
, SEQUENCE CHARACTERISTICS:
, LENGTH: 1942 base pairs
, TYPE: nucleic acid
, STRANDEDNESS: single
, TOPOLOGY: linear
, SEQUENCE DESCRIPTION: SEQ ID
US-09-543-679A-2422

```

```

Query Match      100.0%; Score 20; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 CCGCCGCCCTCCGGGGGTC 20
 ↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑
Db 813 CCGCCGCCCTCCGGGGGTC 794

RESULT 5
US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
;

SEQUENCE DI
US-09-543-679A-2434

```

Query Match      100.0%; Score 20; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  CGCGCGCCCTCCGGGGGTC 20
          |||||
Db      813  CGCGCGCCCTCCGGGGGTC 794

```

RESULT 6
US-09-543-679A-2421/c
Sequence 2421, Application US/09543679A
GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2421:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match	100.0%;	Score 20;	DB 5;	Length 2900;
Best Local Similarity	100.0%;	Pred. No. 2.3;		
Matches 20;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CGCGCGCGCTCGGGGGGTC	20	
Db	786	CGCGCGCGCTCGGGGGGTC	767	

RESULT 7
US-09-543-679A-2433/C
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE.

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2433:

SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2433:

US-09-543-679A-2433

Query Match 100.0%; Score 20; DB 5; Length 2900;

Best Local Similarity 100.0%; Pred. No. 2.3;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCGCCCTCCGGGGGTC 20

|||||

Db 786 CCGCGCGCCCTCCGGGGGTC 767

RESULT 8

US-09-543-679A-2423/c

; Sequence 2423, Application US/09543679A

; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2423:

SEQUENCE CHARACTERISTICS:
LENGTH: 5962 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2423:

US-09-543-679A-2423

Query Match 100.0%; Score 20; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCGCCCTCCGGGGGTC 20

|||||

Db 4692 CCGCGCGCCCTCCGGGGGTC 4673

RESULT 9

US-09-543-679A-3005/c

; Sequence 3005, Application US/09543679A

; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 20; DB 5; Length 11766;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 10657 CCGCGCCCTCCGGGGGTC 10638

RESULT 10

US-09-543-679A-3002/c
Sequence 3002, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3002:

SEQUENCE CHARACTERISTICS:
LENGTH: 11766 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 20; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
|||||
Db 29926 CCGCGCCCTCCGGGGGTC 29907

RESULT 11

US-09-801-833-7744/c
Sequence 7744, Application US/09801833
GENERAL INFORMATION:
APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: 1600.1037-005
CURRENT APPLICATION NUMBER: US/09/801.833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371,168
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 8285
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7744
LENGTH: 3573
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(3573)
OTHER INFORMATION: n = A,T,C or G
US-09-801-833-7744

Query Match 87.0%; Score 17.4; DB 5; Length 3573;
Best Local Similarity 94.7%; Pred. No. 23;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCGCCCTCCGGGGGTC 20
|||||
Db 1229 CGCGCCCTCCGGGGGTC 1211

RESULT 12

US-09-783-514-1628/c
Sequence 1628, Application US/09783514

GENERAL INFORMATION:

APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: 1600.1019-002
CURRENT APPLICATION NUMBER: US/09/783,514
CURRENT FILING DATE: 2001-02-14

PRIOR APPLICATION NUMBER: 09/315,788
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/086,455
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/132,067
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 2346
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1628
LENGTH: 316
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(316)
OTHER INFORMATION: n = A,T,C or G
US-09-783-514-1628

Query Match 84.0%; Score 16.8; DB 5; Length 316;
Best Local Similarity 90.0%; Pred. No. 68;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCCCTCCGGGGGTC 20
|||||

Db 242 CCGCGCCCTCCGGGGGTC 223

RESULT 13

US-09-739-449-2594/c
; Sequence 2594, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 2594
; LENGTH: 794
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(794)
; OTHER INFORMATION: unsure at all n locations
US-09-739-449-2594

Query Match 84.0%; Score 16.8; DB 5; Length 794;
Best Local Similarity 90.0%; Pred. No. 56;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
Db 712 CCGCGCCCTCCGGGGGTC 693

RESULT 14

PCT-US01-10484-3/c
; Sequence 3, Application PC/TUS0110484
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: PCT/US01/10484
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 3
; LENGTH: 1232
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (159)..(776)
PCT-US01-10484-3

Query Match 84.0%; Score 16.8; DB 1; Length 1232;
Best Local Similarity 90.0%; Pred. No. 51;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
Db 59 CCGCGCCCTCCGGGGGTC 40

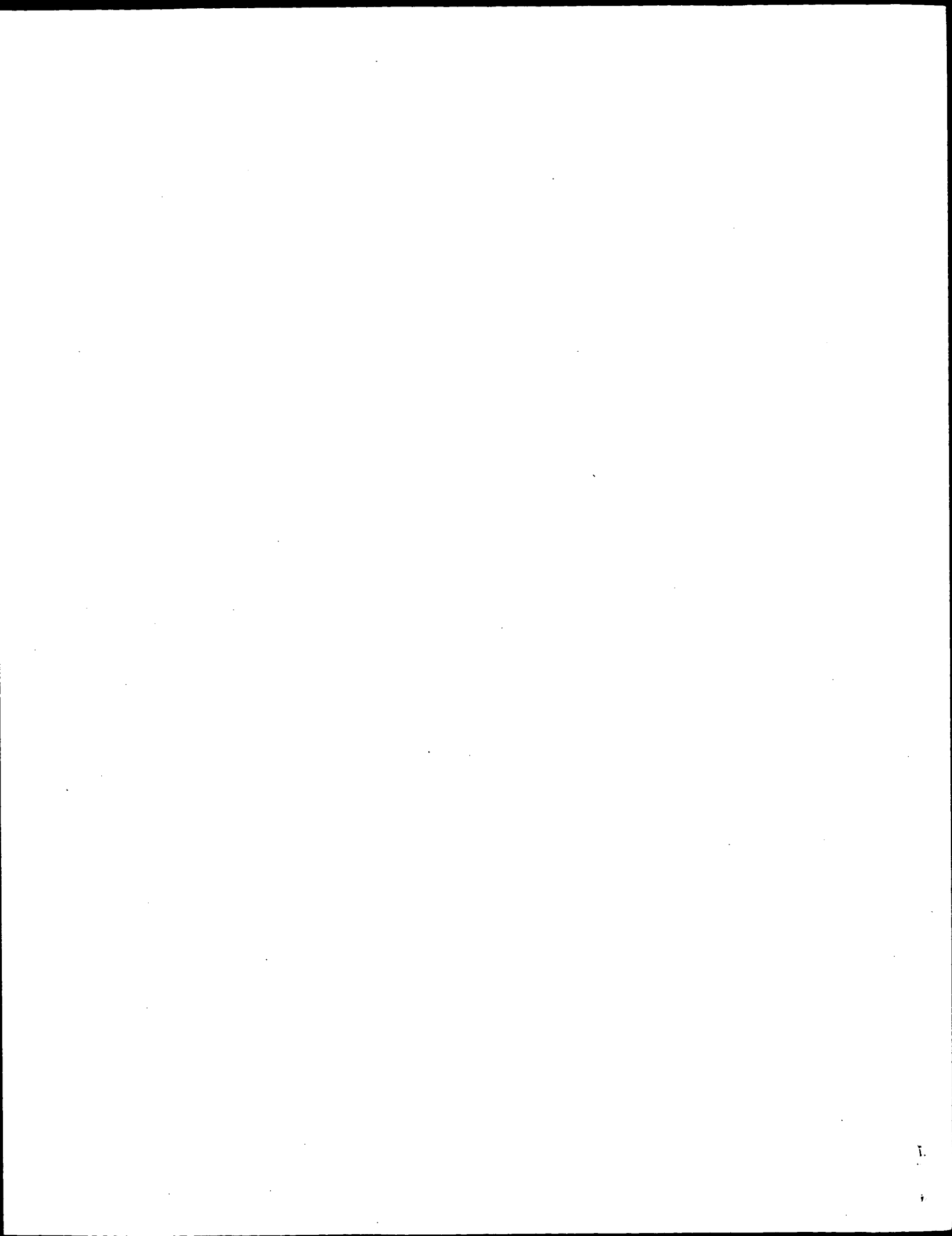
RESULT 15

PCT-US01-10484-89/c
; Sequence 89, Application PC/TUS0110484
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: PCT/US01/10484
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 89
; LENGTH: 1353
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1353)
; OTHER INFORMATION: n = a,t,c or g
PCT-US01-10484-89

Query Match 84.0%; Score 16.8; DB 1; Length 1353;
Best Local Similarity 90.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CCGCGCCCTCCGGGGGTC 20
Db 23 CCGCGCCCTCCGGGGGTC 4

Search completed: April 26, 2001, 17:25:22
Job time: 61659 sec



GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:48 ; Search time 11829.6 Seconds
(without alignments)
7.922 Million cell updates/sec

Title: US-09-093-972C-957
Perfect score: 18
Sequence: 1 TGCTGCGTGGTGGCGCC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues
Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

- 1: /cgn2_6/ptodata/2/pna/PCTUS6_COMB.seq:*
- 2: /cgn2_6/ptodata/2/pna/US06_COMB.seq:*
- 3: /cgn2_6/ptodata/2/pna/US07_COMB.seq:*
- 4: /cgn2_6/ptodata/2/pna/US080_COMB.seq:*
- 5: /cgn2_6/ptodata/2/pna/US081_COMB.seq:*
- 6: /cgn2_6/ptodata/2/pna/US082_COMB.seq:*
- 7: /cgn2_6/ptodata/2/pna/US083_COMB.seq:*
- 8: /cgn2_6/ptodata/2/pna/US084_COMB.seq:*
- 9: /cgn2_6/ptodata/2/pna/US085_COMB.seq:*
- 10: /cgn2_6/ptodata/2/pna/US086_COMB.seq:*
- 11: /cgn2_6/ptodata/2/pna/US087_COMB.seq:*
- 12: /cgn2_6/ptodata/2/pna/US088_COMB.seq:*
- 13: /cgn2_6/ptodata/2/pna/US089_COMB.seq:*
- 14: /cgn2_6/ptodata/2/pna/US090_COMB.seq:*
- 15: /cgn2_6/ptodata/2/pna/US091_COMB.seq:*
- 16: /cgn2_6/ptodata/2/pna/US092_COMB.seq:*
- 17: /cgn2_6/ptodata/2/pna/US093_COMB.seq:*
- 18: /cgn2_6/ptodata/2/pna/US094_COMB.seq:*
- 19: /cgn2_6/ptodata/2/pna/US095A_COMB.seq:*
- 20: /cgn2_6/ptodata/2/pna/US095B_COMB.seq:*
- 21: /cgn2_6/ptodata/2/pna/US095C_COMB.seq:*
- 22: /cgn2_6/ptodata/2/pna/US095D_COMB.seq:*
- 23: /cgn2_6/ptodata/2/pna/US096A_COMB.seq:*
- 24: /cgn2_6/ptodata/2/pna/US096B_COMB.seq:*
- 25: /cgn2_6/ptodata/2/pna/US096C_COMB.seq:*
- 26: /cgn2_6/ptodata/2/pna/US096D_COMB.seq:*
- 27: /cgn2_6/ptodata/2/pna/US096E_COMB.seq:*
- 28: /cgn2_6/ptodata/2/pna/US097A_COMB.seq:*
- 29: /cgn2_6/ptodata/2/pna/US097B_COMB.seq:*
- 30: /cgn2_6/ptodata/2/pna/US097C_COMB.seq:*
- 31: /cgn2_6/ptodata/2/pna/US098_COMB.seq:*
- 32: /cgn2_6/ptodata/2/pna/US098000_COMB.seq:*
- 33: /cgn2_6/ptodata/2/pna/US098001_COMB.seq:*
- 34: /cgn2_6/ptodata/2/pna/US098002_COMB.seq:*
- 35: /cgn2_6/ptodata/2/pna/US098003_COMB.seq:*
- 36: /cgn2_6/ptodata/2/pna/US098004_COMB.seq:*
- 37: /cgn2_6/ptodata/2/pna/US098005_COMB.seq:*
- 38: /cgn2_6/ptodata/2/pna/US098006_COMB.seq:*
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- 41: /cgn2_6/ptodata/2/pna/US098009_COMB.seq:*
- 42: /cgn2_6/ptodata/2/pna/US098010_COMB.seq:*
- 43: /cgn2_6/ptodata/2/pna/US098011_COMB.seq:*

- 44: /cgn2_6/ptodata/2/pna/US6012_COMB.seq:*
- 45: /cgn2_6/ptodata/2/pna/US6013_COMB.seq:*
- 46: /cgn2_6/ptodata/2/pna/US6014_COMB.seq:*
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- 50: /cgn2_6/ptodata/2/pna/US6018_COMB.seq:*
- 51: /cgn2_6/ptodata/2/pna/US6019_COMB.seq:*
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- 53: /cgn2_6/ptodata/2/pna/US6021_COMB.seq:*
- 54: /cgn2_6/ptodata/2/pna/US6022_COMB.seq:*
- 55: /cgn2_6/ptodata/2/pna/US6023_COMB.seq:*
- 56: /cgn2_6/ptodata/2/pna/US6024_COMB.seq:*
- 57: /cgn2_6/ptodata/2/pna/US6025_COMB.seq:*
- 58: /cgn2_6/ptodata/2/pna/US6026_COMB.seq:*
- 59: /cgn2_6/ptodata/2/pna/US6027_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	18	100.0	18	14	US-09-093-972C-957
2	18	100.0	18	19	US-09-509-152A-960
3	18	100.0	45	6	US-08-239-473-52
4	18	100.0	45	13	US-08-956-499-52
5	18	100.0	414	18	US-09-440-302-377
6	18	100.0	419	16	US-09-274-861-2185
7	18	100.0	575	54	US-60-229-515-1997
8	18	100.0	587	50	US-60-186-281-80
9	18	100.0	587	50	US-60-186-281-81
10	18	100.0	587	50	US-60-186-281-203
11	18	100.0	637	21	US-09-548-789-5
12	18	100.0	981	3	US-07-850-701-20
13	18	100.0	981	3	US-07-850-702-20
14	18	100.0	981	3	US-07-850-707A-20
15	18	100.0	981	5	US-08-145-437-20
16	18	100.0	981	6	US-08-239-473-20
17	18	100.0	981	13	US-08-956-499-20
18	18	100.0	981	14	US-09-080-704-20
19	18	100.0	1267	14	US-09-016-434-1267
20	18	100.0	1290	7	US-08-351-414-1
21	18	100.0	1296	1	PCT-US98-09031-4
22	18	100.0	2180	5	US-08-179-575-3
23	18	100.0	2359	54	US-60-229-515-655
24	18	100.0	2897	56	US-60-245-225-642
25	18	100.0	2900	5	US-08-179-575-5
26	18	100.0	2919	49	US-60-172-373-2355
27	18	100.0	80507	56	US-60-245-225-172
28	16.4	91.1	666	28	US-09-703-708-9677
29	16.4	91.1	666	48	US-60-164-320-9677
30	16.4	91.1	666	50	US-60-183-791-9677
31	16.4	91.1	1310	18	US-09-471-275-3805
32	16.4	91.1	2961	24	US-09-620-392-47230
33	16.4	91.1	5398	24	US-09-620-392-68343
34	16.4	91.1	5398	28	US-09-702-134-6557
35	16.4	91.1	10420	24	US-09-620-392-47910
36	16.4	91.1	18511	24	US-09-620-392-68309
37	16.4	91.1	18512	28	US-09-702-134-6574
38	16.4	91.1	67499	28	US-09-703-708-760
39	16.4	91.1	67499	48	US-60-164-320-760
40	16.4	91.1	67499	50	US-60-183-791-760
41	15.4	85.6	48	7	US-08-351-414-11
42	15.4	85.6	217	17	US-09-370-505-2650
43	15.4	85.6	217	21	US-09-540-229-163287
44	15.4	85.6	217	21	US-60-096-463-2650
45	15.4	85.6	238	11	US-08-723-972-1723

ALIGNMENTS

```

RESULT 1
US-09-093-972C-957
; Sequence 957, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 957:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 957:
US-09-093-972C-957

Query Match 100.0%; Score 18; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCGGTGGCTGCC 18
Db 1 TGCTGCGGTGGCTGCC 18

RESULT 2
US-09-093-972C-957
; Sequence 960, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419

```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 960:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 960:
US-09-509-152A-960

Query Match 100.0%; Score 18; DB 19; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCGGTGGCTGCC 18
Db 1 TGCTGCGGTGGCTGCC 18

RESULT 3
US-08-239-473-52
; Sequence 52, Application US/08239473
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Marlene A
; TITLE OF INVENTION: INHIBITION OF TNFalpha PRODUCTION
; BY A2D ADENOSINE RECEPTOR AGONISTS AND ENHANCERS
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O.Box 2000
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/239,473
; FILING DATE: 6-MAY-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Bencen, Gerard H
; REGISTRATION NUMBER: 35,746

```

REFERENCE/DOCKET NUMBER: 19222
TELEPHONE: (908) 594-3901
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-239-473-52

Query Match 100.0%; Score 18; DB 6; Length 45;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
Db 1 TGCTGCCGTTGGCTGCC 18

RESULT 4

US-08-956-499-52
Sequence 52, Application US/08956499
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
TITLE OF INVENTION: INHIBITION OF TNFalpha PRODUCTION
BY A2b ADENOSINE RECEPTOR AGONISTS AND ENHANCERS
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O.Box 2000
CITY: Rahway
STATE: New Jersey
COUNTRY: United States
ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,499
FILING DATE:
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/239,473
FILING DATE: 6-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bencen, Gerard H
REGISTRATION NUMBER: 35,746
REFERENCE/DOCKET NUMBER: 19222
TELEPHONE: (908) 594-3901
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-956-499-52

Query Match 100.0%; Score 18; DB 13; Length 45;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGCCGTTGGCTGCC 18
Db 1 TGCTGCCGTTGGCTGCC 18

RESULT 5

US-09-440-302-377/c
Sequence 377, Application US/09440302
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Lukashov, Matvey E.
TITLE OF INVENTION: Human Neurobiology Array
FILE REFERENCE: CLON-006CIP11
CURRENT APPLICATION NUMBER: US/09/440,302
CURRENT FILING DATE: 1999-11-17
PRIOR APPLICATION NUMBER: 09/053,375
PRIOR FILING DATE: 1998-03-31
NUMBER OF SEQ ID NOS: 597
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 377
LENGTH: 414
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Nucleic Acid Probe
US-09-440-302-377

Query Match 100.0%; Score 18; DB 18; Length 414;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
Db 43 TGCTGCCGTTGGCTGCC 26

RESULT 6

US-09-274-861-2185/c
Sequence 2185, Application US/09274861
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS OBTAINED FROM
VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-770
CURRENT APPLICATION NUMBER: US/09/274,861
CURRENT FILING DATE: 1999-03-23
NUMBER OF SEQ ID NOS: 11371
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2185
LENGTH: 419
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(419)
OTHER INFORMATION: n = A,T,C or G
US-09-274-861-2185

Query Match 100.0%; Score 18; DB 16; Length 419;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
Db 338 TGCTGCCGTTGGCTGCC 321

RESULT 7

US-60-229-515-1997/c

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; Sequence 1997, Application US/60229515
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000776
; CURRENT APPLICATION NUMBER: US/60/229,515
; CURRENT FILING DATE: 2000-09-05
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1997
; LENGTH: 575
; TYPE: DNA
; ORGANISM: HUMAN
; NAME/KEY: misc_feature
; LOCATION: (1)...(575)
; OTHER INFORMATION: n = A,T,C or G
US-60-229-515-1997

Query Match          100.0%; Score 18; DB 54; Length 575;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCCGTTGGCTGCC 18
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Db 94 TGCTGCCGTTGGCTGCC 77

RESULT 8
US-60-186-281-80
; Sequence 80, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-80

Query Match          100.0%; Score 18; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCCGTTGGCTGCC 18
    |||
Db 370 tgctgccgttgctgcc 387

RESULT 9
US-60-186-281-81
; Sequence 81, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-81

Query Match          100.0%; Score 18; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCCGTTGGCTGCC 18
    |||
Db 370 tgctgccgttgctgcc 387

RESULT 10
US-60-186-281-203
; Sequence 203, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-203

Query Match          100.0%; Score 18; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCCGTTGGCTGCC 18
    |||
Db 370 tgctgccgttgctgcc 387

RESULT 11
US-09-548-789-5/c
; Sequence 5, Application US/09548789
; GENERAL INFORMATION:
; APPLICANT: Erlanger, Bernard F
; APPLICANT: Dong, Qinye
; TITLE OF INVENTION: MANAGEMENT OF DIABETES BY STIMULATION OF THE A1
; TITLE OF INVENTION: ADENOSINE RECEPTOR IN ADIPOSE TISSUE
; FILE REFERENCE: 58076-A/JPW/EMW
; CURRENT APPLICATION NUMBER: US/09/548,789
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human Fat A1 Adenosine Receptor
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(637)
US-09-548-789-5

Query Match          100.0%; Score 18; DB 21; Length 637;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGCCGTTGGCTGCC 18
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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Panzer, Curtis C
REGISTRATION NUMBER: 33,752
REFERENCE/DOCKET NUMBER: 18,701
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3199
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: NUCLEIC ACID

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-07-850-707A-20

Query Match 100.0%; Score 18; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTGGCTGCC 18
Db 484 TGCTGCCGTGGCTGCC 467

RESULT 15
US-08-145-437-20/c
; Sequence 20, Application US/08145437
; GENERAL INFORMATION:
; APPLICANT: Doyle, Michael P
; APPLICANT: Duling, Brian R
; APPLICANT: Jacobson, Marlene A
; APPLICANT: Johnson, Robert G
; APPLICANT: Linden, Joel M
; TITLE OF INVENTION: HUMAN ADENOSINE RECEPTOR ANTAGONISTS
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/145,437
; FILING DATE: 29-OCT-1993
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Bencen, Gerard H
; REGISTRATION NUMBER: 35,746
; REFERENCE/DOCKET NUMBER: 19117
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3901
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 981 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-145-437-20

Query Match 100.0%; Score 18; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTGGCTGCC 18
Db 484 TGCTGCCGTGGCTGCC 467

Search completed: April 26, 2001, 15:31:49
Job time: 30514 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:22 ; Search time 217.85 Seconds
(without alignments)
22.714 Million cell updates/sec

Title: US-09-093-972C-957

Perfect score: 18
Sequence: 1 TCGTCCCGTGGCGGCC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	18	5	US-09-543-679A-960
2	18	100.0	18	5	US-09-543-679A-960
3	18	100.0	18	5	US-09-543-679A-960
4	18	100.0	18	5	US-09-543-679A-960
5	18	100.0	18	5	US-09-543-679A-960
6	18	100.0	18	5	US-09-543-679A-960
7	18	100.0	18	5	US-09-543-679A-960
8	18	100.0	18	5	US-09-543-679A-960
9	18	100.0	18	5	US-09-543-679A-960
10	18	100.0	18	5	US-09-543-679A-960
11	15.4	85.6	679	5	US-09-739-449-1898
12	15.4	85.6	1929	6	US-60-248-505-1529
13	15.4	85.6	403789	6	US-60-248-505-157
14	14.8	82.2	279	5	US-09-540-212A-36432
15	14.8	82.2	669	5	US-09-811-380-395
16	14.8	82.2	888	5	US-09-739-449-3506
17	14.8	82.2	1431	6	US-60-248-823-171
18	14.8	82.2	2197	5	US-09-423-844-11
19	14.8	82.2	2197	5	US-09-802-706-26
20	14.8	82.2	2340	5	US-09-811-380-825
21	14.8	82.2	6158	1	PCT-US01-01339-8513
22	14.8	82.2	8835	1	PCT-US01-01339-5494
23	14.8	82.2	8957	1	PCT-US01-01339-9239
24	14.8	82.2	46846	6	US-60-248-823-45
25	14.8	82.2	96187	6	US-60-248-505-52
26	14.8	82.2	160609	6	US-60-248-505-48
27	14.8	82.2	183820	5	US-09-739-449-209

c 28	14.8	82.2	277308	6	US-60-248-505-45	Sequence 45, Appl
c 29	14.8	82.2	542340	5	US-09-739-449-219	Sequence 219, App
c 30	14.4	80.0	320	5	US-09-724-866A-7754	Sequence 7754, Ap
c 31	14.4	80.0	342	5	US-09-739-449-7239	Sequence 7239, Ap
c 32	14.4	80.0	412	5	US-09-801-833-3614	Sequence 3614, Ap
c 33	14.4	80.0	14769	1	PCT-US01-01339-7092	Sequence 7092, Ap
c 34	14.4	80.0	127552	6	US-60-248-505-324	Sequence 324, App
c 35	14.4	80.0	127553	6	US-60-248-505-395	Sequence 395, App
c 36	14.4	80.0	542340	5	US-09-739-449-219	Sequence 219, App
c 37	14	77.8	1650	5	US-09-739-449-2749	Sequence 2749, Ap
c 38	14	77.8	138954	5	US-09-739-449-204	Sequence 204, App
c 39	13.8	76.7	221	5	US-09-724-866A-9002	Sequence 9002, Ap
c 40	13.8	76.7	234	5	US-09-540-212A-30572	Sequence 30572, A
c 41	13.8	76.7	237	5	US-09-540-212A-30587	Sequence 30587, A
c 42	13.8	76.7	245	5	US-09-540-212A-33722	Sequence 33722, A
c 43	13.8	76.7	247	5	US-09-540-212A-33000	Sequence 33000, A
c 44	13.8	76.7	257	5	US-09-540-212A-48446	Sequence 48446, A
c 45	13.8	76.7	268	5	US-09-540-212A-717	Sequence 717, App

ALIGNMENTS

RESULT 1
US-09-543-679A-960
; Sequence 960, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543.679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 960:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 960:
US-09-543-679A-960

Query Match 100.0%; Score 18; DB 5; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
|||||
Db 1 TGCTGCCGTTGGCTGCC 18

RESULT 2

US-09-543-679A-2420/c
; Sequence 2420, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; ;

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2420:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2420:

US-09-543-679A-2420

Query Match 100.0%; Score 18; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
|||||
Db 484 TGCTGCCGTTGGCTGCC 467

RESULT 3

US-09-543-679A-2432/c

; Sequence 2432, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; ;

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2432:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2432:

US-09-543-679A-2432

Query Match 100.0%; Score 18; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
|||||
Db 484 TGCTGCCGTTGGCTGCC 467

RESULT 4

US-09-543-679A-2422/c

; Sequence 2422, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; ;

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2422:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1942 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 18; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCGGTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
DB 921 TGCTGCGGTGGCTGCC 904

RESULT 5
US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2434:
SEQUENCE CHARACTERISTICS:
LENGTH: 1942 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 18; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGCGGTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
DB 921 TGCTGCGGTGGCTGCC 904

RESULT 6
US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2421:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 18; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGCGGTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
DB 894 TGCTGCGGTGGCTGCC 877

RESULT 7
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
US-09-543-679A-2433

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive

CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2433:
SEQUENCE CHARACTERISTICS:

LENGTH: 2900 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2433:

US-09-543-679A-2433

Query Match 100.0%; Score 18; DB 5; Length 2900;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 894 TGCTGCCGTTGGCTGCC 877

RESULT 8

US-09-543-679A-2423/c

Sequence 2423, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

Query Match 100.0%; Score 18; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 4800 TGCTGCCGTTGGCTGCC 4783

RESULT 9

US-09-543-679A-3005/c

Sequence 3005, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

Query Match 100.0%; Score 18; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 4800 TGCTGCCGTTGGCTGCC 4783

RESULT 9

US-09-543-679A-3005/c

Sequence 3005, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

Query Match 100.0%; Score 18; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 4800 TGCTGCCGTTGGCTGCC 4783

RESULT 9

US-09-543-679A-3005/c

Sequence 3005, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

Query Match 100.0%; Score 18; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 4800 TGCTGCCGTTGGCTGCC 4783

RESULT 9

US-09-543-679A-3005/c

Sequence 3005, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

Query Match 100.0%; Score 18; DB 5; Length 5962;

Best Local Similarity 100.0%; Pred. No. 1.9;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18

Db 4800 TGCTGCCGTTGGCTGCC 4783

RESULT 9

US-09-543-679A-3005/c

Sequence 3

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 18; DB 5; Length 1176;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 10765 TGCTGCCGTTGGCTGCC 10748

RESULT 10

US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245

; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid

; STRANDEDNESS: single
; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 18; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGCCGTTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 30034 TGCTGCCGTTGGCTGCC 30017

RESULT 11

US-09-739-449-1898/c
; Sequence 1898, Application US/09739449
; GENERAL INFORMATION:

; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof

; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 1898
; LENGTH: 679
; TYPE: DNA

; ORGANISM: Agrobacterium tumefaciens
; FEATURE:

; NAME/KEY: unsure
; LOCATION: (1)..(679)

; OTHER INFORMATION: unsure at all n locations
US-09-739-449-1898

Query Match 85.6%; Score 15.4; DB 5; Length 679;
Best Local Similarity 94.1%; Pred. No. 35;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCTGCCGTTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 426 GCTGCCGTTGGCTGCC 410

RESULT 12

US-60-248-505-1529/c
; Sequence 1529, Application US/60248505
; GENERAL INFORMATION:

; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR

; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: C1000918

; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1529
; LENGTH: 1929
; TYPE: DNA

; ORGANISM: Human
US-60-248-505-1529

Query Match 85.6%; Score 15.4; DB 6; Length 1929;
Best Local Similarity 94.1%; Pred. No. 35;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCTGCCGTTGGCTGCC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 281 GCTGCCGTTGGCTGCC 265

RESULT 13

US-60-248-505-197
; Sequence 197, Application US/60248505
; GENERAL INFORMATION:

; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR

; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: C1000918

; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 197
; LENGTH: 403789
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(403789)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-197

Query Match 85.6%; Score 15.4; DB 6; Length 403789;
Best Local Similarity 94.1%; Pred. No. 36;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCTGCGCTGGCTGCC 18
||||| |||||||
Db 390583 gctgccattgctgccc 390599

RESULT 14

US-09-540-212A-36432
; Sequence 36432, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Sellhamer, Jeffrey J.
; APPLICANT: Deleageane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 36432
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00099051
; NAME/KEY: unsure
; LOCATION: 228
; OTHER INFORMATION: a, t, c, g, or other
US-09-540-212A-36432

Query Match 82.2%; Score 14.8; DB 5; Length 279;
Best Local Similarity 88.9%; Pred. No. 68;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGCTGCGCTGGCTGCC 18
||||| |||||||
Db 72 tgctgcgctgctgccc 89

RESULT 15

US-09-811-380-395
; Sequence 395, Application US/09811380
; GENERAL INFORMATION:
; APPLICANT: Gearling, David P.
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; TITLE OF INVENTION: HUMAN KIDNEY LIBRARY
; FILE REFERENCE: MLN98-08pm
; CURRENT APPLICATION NUMBER: US/09/811,380
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 09/322,104
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: 60/087,053.

; PRIOR FILING DATE: 1998-05-27
; PRIOR APPLICATION NUMBER: 60/132,099
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 395
; LENGTH: 669
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(669)
; OTHER INFORMATION: n = A,T,C or G
US-09-811-380-395

Query Match 82.2%; Score 14.8; DB 5; Length 669;
Best Local Similarity 88.9%; Pred. No. 69;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGCTGCGCTGGCTGCC 18
||||| |||||||
Db 137 tgctgcgctgctgccc 154

Search completed: April 26, 2001, 17:25:31
Job time: 61668 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:49 ; Search time 11829.6 Seconds
(without alignments)
7.482 Million cell updates/sec

Title: US-09-093-972c-958

Perfect score: 17
Sequence: 1 CTTCTGGGGTCGCCGG 17

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

- 1: /cgn2_6/ptodata/2/pna/US06_COMB.seq.*
- 2: /cgn2_6/ptodata/2/pna/US06_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 7: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 8: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 9: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 10: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 11: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
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- 13: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 14: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 15: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
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- 18: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 19: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 20: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
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- 23: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
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- 37: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
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- 40: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 41: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 42: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*
- 43: /cgn2_6/ptodata/2/pna/US09_COMB.seq.*

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57: /cgn2_6/ptodata/2/pna/US6025_COMB.seq.*

58: /cgn2_6/ptodata/2/pna/US6026_COMB.seq.*

59: /cgn2_6/ptodata/2/pna/US6027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	17	100.0	17	14	US-09-093-972c-958	Sequence 958, App
2	17	100.0	17	19	US-09-509-152A-961	Sequence 961, App
c 3	17	100.0	89	17	US-09-389-835A-13	Sequence 13, App
4	17	100.0	332	50	US-60-186-652-45	Sequence 45, Appl
c 5	17	100.0	377	52	US-60-207-458-30820	Sequence 30820, A
c 6	17	100.0	393	16	US-09-287-618-21294	Sequence 21294, A
c 7	17	100.0	414	18	US-09-440-302-377	Sequence 377, App
c 8	17	100.0	575	54	US-60-229-515-1997	Sequence 1997, App
9	17	100.0	587	50	US-60-186-281-80	Sequence 80, Appl
10	17	100.0	587	50	US-60-186-281-81	Sequence 81, Appl
11	17	100.0	587	50	US-60-186-281-203	Sequence 203, Appl
c 12	17	100.0	637	21	US-09-548-789-5	Sequence 5, Appli
c 13	17	100.0	981	3	US-07-850-701-20	Sequence 20, Appl
c 14	17	100.0	981	3	US-07-850-702-20	Sequence 20, Appl
c 15	17	100.0	981	3	US-07-850-707A-20	Sequence 20, Appl
c 16	17	100.0	981	5	US-08-145-437-20	Sequence 20, Appl
c 17	17	100.0	981	6	US-08-239-473-20	Sequence 20, Appl
c 18	17	100.0	981	13	US-08-956-499-20	Sequence 20, Appl
c 19	17	100.0	981	14	US-09-080-704-20	Sequence 20, Appl
c 20	17	100.0	1267	14	US-09-016-434-1267	Sequence 1267, App
c 21	17	100.0	1290	7	US-08-351-414-1	Sequence 1, Appli
c 22	17	100.0	1296	1	PCT-US98-09031-4	Sequence 4, Appli
c 23	17	100.0	2180	5	US-08-179-575-3	Sequence 3, Appli
c 24	17	100.0	2359	54	US-60-229-515-655	Sequence 655, App
c 25	17	100.0	2897	56	US-60-245-225-642	Sequence 642, App
c 26	17	100.0	2900	5	US-08-179-575-5	Sequence 5, Appli
c 27	17	100.0	2919	49	US-60-172-373-2355	Sequence 2355, App
c 28	17	100.0	80507	56	US-60-245-225-172	Sequence 172, App
c 29	16	94.1	429	17	US-09-362-510-23719	Sequence 23719, A
c 30	16	94.1	429	17	US-09-362-510A-23719	Sequence 23719, A
c 31	16	94.1	2325	16	US-09-252-991A-218	Sequence 218, App
c 32	16	94.1	2784	16	US-09-252-991A-194	Sequence 194, App
c 33	16	94.1	2946	16	US-09-252-991A-227	Sequence 227, App
c 34	16	94.1	35454	40	US-60-082-302-720	Sequence 720, Appl
c 35	15.4	90.6	47	7	US-08-351-414-10	Sequence 10, Appl
c 36	15.4	90.6	176	16	US-09-298-329A-5048	Sequence 5048, App
c 37	15.4	90.6	243	14	US-09-044-767-2421	Sequence 2421, App
c 38	15.4	90.6	289	27	US-09-699-999-82	Sequence 82, Appl
c 39	15.4	90.6	422	17	US-09-332-782-13779	Sequence 13779, A
c 40	15.4	90.6	422	19	US-09-515-694-13779	Sequence 13779, A
c 41	15.4	90.6	463	51	US-60-196-711-225	Sequence 225, App
c 42	15.4	90.6	485	50	US-60-182-316-175	Sequence 175, App
c 43	15.4	90.6	512	51	US-60-196-868-7440	Sequence 7440, App
c 44	15.4	90.6	602	45	US-60-132-861-7184	Sequence 7184, App
c 45	15.4	90.6	656	49	US-60-170-911-103	Sequence 103, App

ALIGNMENTS

```
RESULT 1
US-09-093-972C-958
; Sequence 958, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
;
; NUMBER OF SEQUENCES: 996
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 958:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 958:
US-09-093-972C-958

Query Match 100.0%; Score 17; DB 14; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTCCCGG 17
Db 1 CTTCTCGGGTCCCGG 17

RESULT 2
US-09-509-152A-961
; Sequence 961, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
;
; NUMBER OF SEQUENCES: 2419
```

```
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 961:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 961:
US-09-509-152A-961

Query Match 100.0%; Score 17; DB 19; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTCCCGG 17
Db 1 CTTCTCGGGTCCCGG 17

RESULT 3
US-09-389-835A-13/c
; Sequence 13, Application US/09389835A
; GENERAL INFORMATION:
; APPLICANT: Ruoho, Arnold E.
; APPLICANT: Geiser, Andrew H.
; APPLICANT: Krebs, Mark
; APPLICANT: Sievert, Mike
; TITLE OF INVENTION: BACTERIORHODOPSIN/G PROTEIN-COUPLED RECEPTOR CHIMERAS
; FILE REFERENCE: 96429/9079
; CURRENT APPLICATION NUMBER: US/09/389,835A
; CURRENT FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/098,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Word 97 (DOS text file)
; SEQ ID NO 13
; LENGTH: 89
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
; OTHER INFORMATION: primer
; US-09-389-835A-13

Query Match 100.0%; Score 17; DB 17; Length 89;
```

Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
|||||
Db 77 CTTCTGCGGGTCGCCGG 61

RESULT 4
US-60-186-652-45
; Sequence 45, Application US/60186652
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000319
; CURRENT APPLICATION NUMBER: US/60/186,652
; CURRENT FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 1264
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 332
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-652-45

Query Match 100.0%; Score 17; DB 50; Length 332;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
|||||
Db 146 cttctgcggtcgccgg 162

RESULT 5
US-60-207-458-30820/c
; Sequence 30820, Application US/60207458
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S.
; APPLICANT: Conner, Timothy W.
; APPLICANT: Deikman, Jill
; APPLICANT: Hardeman, Kristine J.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lalugudi, Rachunath V.
; APPLICANT: Ruan, Yijun G.
; APPLICANT: Ruff, Thomas G.
; APPLICANT: Sammons, R. Douglas
; APPLICANT: Shukla, Hridayabhiranjan
; APPLICANT: Wu, Kunsheng
; APPLICANT: Xu, Nanfei
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(51936)A
; CURRENT APPLICATION NUMBER: US/60/207,458
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 152403
; SEQ ID NO 30820
; LENGTH: 377
; TYPE: DNA
; ORGANISM: zea mays
; OTHER INFORMATION: Clone ID: uc-zmflb73137c06b1
US-60-207-458-30820

Query Match 100.0%; Score 17; DB 52; Length 377;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
|||||

Db 320 CTTCTGCGGGTCGCCGG 304

RESULT 6
US-09-287-618-21294/c
; Sequence 21294, Application US/09287618
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-768
; CURRENT APPLICATION NUMBER: US/09/287,618
; CURRENT FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 35865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21294
; LENGTH: 393
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-287-618-21294

Query Match 100.0%; Score 17; DB 16; Length 393;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
|||||
Db 213 CTTCTGCGGGTCGCCGG 197

RESULT 7
US-09-440-302-377/c
; Sequence 377, Application US/09440302
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashev, Matvey E.
; TITLE OF INVENTION: Human Neurobiology Array
; FILE REFERENCE: CLON-008CIP11
; CURRENT APPLICATION NUMBER: US/09/440,302
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 597
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 377
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Probe
US-09-440-302-377

Query Match 100.0%; Score 17; DB 18; Length 414;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
|||||
Db 231 CTTCTGCGGGTCGCCGG 215

RESULT 8
US-60-229-515-1997/c
; Sequence 1997, Application US/60229515
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000776
; CURRENT APPLICATION NUMBER: US/60/229,515

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; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 2013
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1997
; LENGTH: 575
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(575)
; OTHER INFORMATION: n = A,T,C or G
US-60-229-515-1997

Query Match      100.0%; Score 17; DB 54; Length 575;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
   |||||||||||||||
Db 282 CTTCTGCGGGTCGCCGG 266

RESULT 9
US-60-186-281-80
; Sequence 80, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-80

Query Match      100.0%; Score 17; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
   |||||||||||||||
Db 182 CTTCTGCGGGTCGCCGG 198

RESULT 10
US-60-186-281-81
; Sequence 81, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-81

Query Match      100.0%; Score 17; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
   |||||||||||||||
Db 182 CTTCTGCGGGTCGCCGG 198

RESULT 11
US-60-186-281-203
; Sequence 203, Application US/60186281
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000300
; CURRENT APPLICATION NUMBER: US/60/186,281
; CURRENT FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 587
; TYPE: DNA
; ORGANISM: HUMAN
US-60-186-281-203

Query Match      100.0%; Score 17; DB 50; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
   |||||||||||||||
Db 182 CTTCTGCGGGTCGCCGG 198

RESULT 12
US-09-548-789-5/c
; Sequence 5, Application US/09548789
; GENERAL INFORMATION:
; APPLICANT: Erlanger, Bernard F
; TITLE OF INVENTION: MANAGEMENT OF DIABETES BY STIMULATION OF THE A1
; TITLE OF INVENTION: ADENOSINE RECEPTOR IN ADIPOSE TISSUE
; FILE REFERENCE: 58076-A/JPW/EMW
; CURRENT APPLICATION NUMBER: US/09/548,789
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human Fat A1 Adenosine Receptor
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(637)
US-09-548-789-5

Query Match      100.0%; Score 17; DB 21; Length 637;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGGTCGCCGG 17
   |||||||||||||||
Db 331 CTTCTGCGGGTCGCCGG 315

RESULT 13
US-07-850-701-20/c
; Sequence 20, Application US/07850701
; GENERAL INFORMATION:
```

APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
APPLICANT: Luneau, Christopher J
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: Human Adenosine Receptors cDNA
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/850,701
FILING DATE: 19920313
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Panzer, Curtis C
REGISTRATION NUMBER: 33,752
REFERENCE/DOCKET NUMBER: 18,700
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3199
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-07-850-701-20

Query Match 100.0%; Score 17; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTGGCGG 17
|||||
Db 672 CTTCTCGGGTGGCGG 656

RESULT 14
US-07-850-702-20/c
Sequence 20, Application US/07850702
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
APPLICANT: Luneau, Christopher J
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: Human Adenosine Receptors
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/850,702
FILING DATE: 19920313

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Panzer, Curtis C
REGISTRATION NUMBER: 33,752
REFERENCE/DOCKET NUMBER: 18,699
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3199
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-07-850-702-20

Query Match 100.0%; Score 17; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTGGCGG 17
|||||
Db 672 CTTCTCGGGTGGCGG 656

RESULT 15
US-07-850-707A-20/c
Sequence 20, Application US/07850707A
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
APPLICANT: Luneau, Christopher J
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: Method of Using Human Adenosine
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/850,707A
FILING DATE: 19920313
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Panzer, Curtis C
REGISTRATION NUMBER: 33,752
REFERENCE/DOCKET NUMBER: 18,701
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3199
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-07-850-707A-20

Query Match 100.0%; Score 17; DB 3; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTCTGCGGGTCGCCG 17

|||||

Db 672 CTTCTGCGGGTCGCCG 656

Search completed: April 26, 2001, 15:31:49
Job time: 30514 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:31 ; Search time 217.85 Seconds
(without alignments)
21.452 Million cell updates/sec

Title: US-09-093-972c-958
Perfect score: 17
Sequence: 1 CTCTGCGGTCGCCG 17

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New:*
1: /cgn2.6/ptodata/2/pna/pct_NEW_COMB.seq.*
2: /cgn2.6/ptodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2.6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2.6/ptodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2.6/ptodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2.6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17	100.0	17	5	US-09-543-679A-961
C 2	17	100.0	981	5	US-09-543-679A-2420
C 3	17	100.0	981	5	US-09-543-679A-2432
C 4	17	100.0	1942	5	US-09-543-679A-2422
C 5	17	100.0	1942	5	US-09-543-679A-2434
C 6	17	100.0	2900	5	US-09-543-679A-2421
C 7	17	100.0	2900	5	US-09-543-679A-2433
C 8	17	100.0	5962	5	US-09-543-679A-2423
C 9	17	100.0	11786	5	US-09-543-679A-3005
C 10	17	100.0	117608	5	US-09-543-679A-3002
C 11	15.4	90.6	2352	5	US-09-739-449-4338
C 12	15.4	90.6	63957	5	US-09-739-449-196
C 13	14.4	84.7	657	5	US-09-739-449-2096
C 14	14.4	84.7	8509	5	US-09-826-205-1
C 15	14	82.4	200	5	US-09-540-212A-25698
C 16	14	82.4	234	5	US-09-724-866A-24605
C 17	14	82.4	645	5	US-09-739-449-3729
C 18	14	82.4	9142	1	PCR-US01-01339-8122
C 19	14	82.4	506113	5	US-09-739-449-218
C 20	13.8	81.2	369	5	US-09-739-449-3505
C 21	13.8	81.2	394	5	US-09-724-866A-12319
C 22	13.8	81.2	423	5	US-09-724-866A-8547
C 23	13.8	81.2	452	5	US-09-724-866A-10278
C 24	13.8	81.2	714	5	US-09-801-833-7508
C 25	13.8	81.2	726	5	US-09-739-449-4961
C 26	13.8	81.2	800	6	US-60-248-505-1385
C 27	13.8	81.2	957	5	US-09-739-449-5790

28 13.8 81.2 1065 5 US-09-739-449-3662 Sequence 3662, Ap
c 29 13.8 81.2 1117 6 US-60-248-505-1864 Sequence 1864, Ap
30 13.8 81.2 1383 5 US-09-739-449-4145 Sequence 4145, Ap
c 31 13.8 81.2 1410 5 US-09-739-449-4570 Sequence 4570, Ap
c 32 13.8 81.2 1545 5 US-09-739-449-2799 Sequence 2799, Ap
33 13.8 81.2 1830 5 US-09-543-679A-2984 Sequence 2984, Ap
34 13.8 81.2 1860 5 US-09-739-449-4635 Sequence 4635, Ap
35 13.8 81.2 5029 6 US-60-248-505-532 Sequence 532, Appl
36 13.8 81.2 13392 6 US-09-543-679A-2991 Sequence 2991, Ap
37 13.8 81.2 38644 5 US-09-739-449-198 Sequence 198, Ap
38 13.8 81.2 77826 5 US-09-739-449-205 Sequence 205, Ap
c 39 13.8 81.2 165200 5 US-09-739-449-209 Sequence 209, Ap
c 40 13.8 81.2 183820 5 US-09-739-449-212 Sequence 212, Ap
c 41 13.8 81.2 254289 5 US-09-739-449-211 Sequence 211, Ap
42 13.8 81.2 260744 5 US-09-739-449-213 Sequence 213, Ap
43 13.8 81.2 300663 5 US-09-739-449-214 Sequence 214, Ap
c 44 13.8 81.2 308503 5 US-09-821-167-12 Sequence 12, Appl
c 45 13.4 78.8 240 5 US-09-821-167-12 Sequence 12, Appl

ALIGNMENTS

RESULT 1

US-09-543-679A-961
; Sequence 961, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543.679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 961:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 961:

US-09-543-679A-961

Query Match

Best Local Similarity 100.0%; Score 17; DB 5; Length 17;

Matches 17; Conservativity 100.0%; Pred. No. 2.3;

Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTCGCCGG 17
|||||
Db 1 CTTCTCGGGTCGCCGG 17

RESULT 2

US-09-543-679A-2420/c

; Sequence 2420, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2420:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2420:

US-09-543-679A-2420

Query Match 100.0%; Score 17; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTCGCCGG 17
|||||
Db 672 CTTCTCGGGTCGCCGG 656

RESULT 3

US-09-543-679A-2432/c

; Sequence 2432, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2432:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 981 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2432:

US-09-543-679A-2432

Query Match 100.0%; Score 17; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTCGGGTCGCCGG 17
|||||
Db 672 CTTCTCGGGTCGCCGG 656

RESULT 4

US-09-543-679A-2422/c

; Sequence 2422, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2422:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1942 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 17; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 1109 CTTCTGCGGTCGCCGG 1093

RESULT 5
US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:

US-09-543-679A-2434

Query Match 100.0%; Score 17; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 1109 CTTCTGCGGTCGCCGG 1093
RESULT 6
US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2421:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 17; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 1082 CTTCTGCGGTCGCCGG 1066

RESULT 7
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
US-09-543-679A-2433

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2433:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 17; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTCTGCGGGTCGCCGG 17
|||||

Db 1082 CTTCTGCGGGTCGCCGG 1066

RESULT 8

US-09-543-679A-2423/c
Sequence 2423, Application US/09543679A
GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2423:
SEQUENCE CHARACTERISTICS:
LENGTH: 5962 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 17; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTCTGCGGGTCGCCGG 17
|||||

Db 4988 CTTCTGCGGGTCGCCGG 4972

RESULT 9

US-09-543-679A-3005/c

Sequence 3005, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3005:

SEQUENCE CHARACTERISTICS:

LENGTH: 11786 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 17; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 10953 CTTCTGCGGTCGCCGG 10937

RESULT 10
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-APR-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11768 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 17; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 30222 CTTCTGCGGTCGCCGG 30206

RESULT 11

US-09-739-449-4338/c
; Sequence 4338, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 4338
; LENGTH: 2352
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-09-739-449-4338

Query Match 90.6%; Score 15.4; DB 5; Length 2352;
Best Local Similarity 94.1%; Pred. No. 11;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

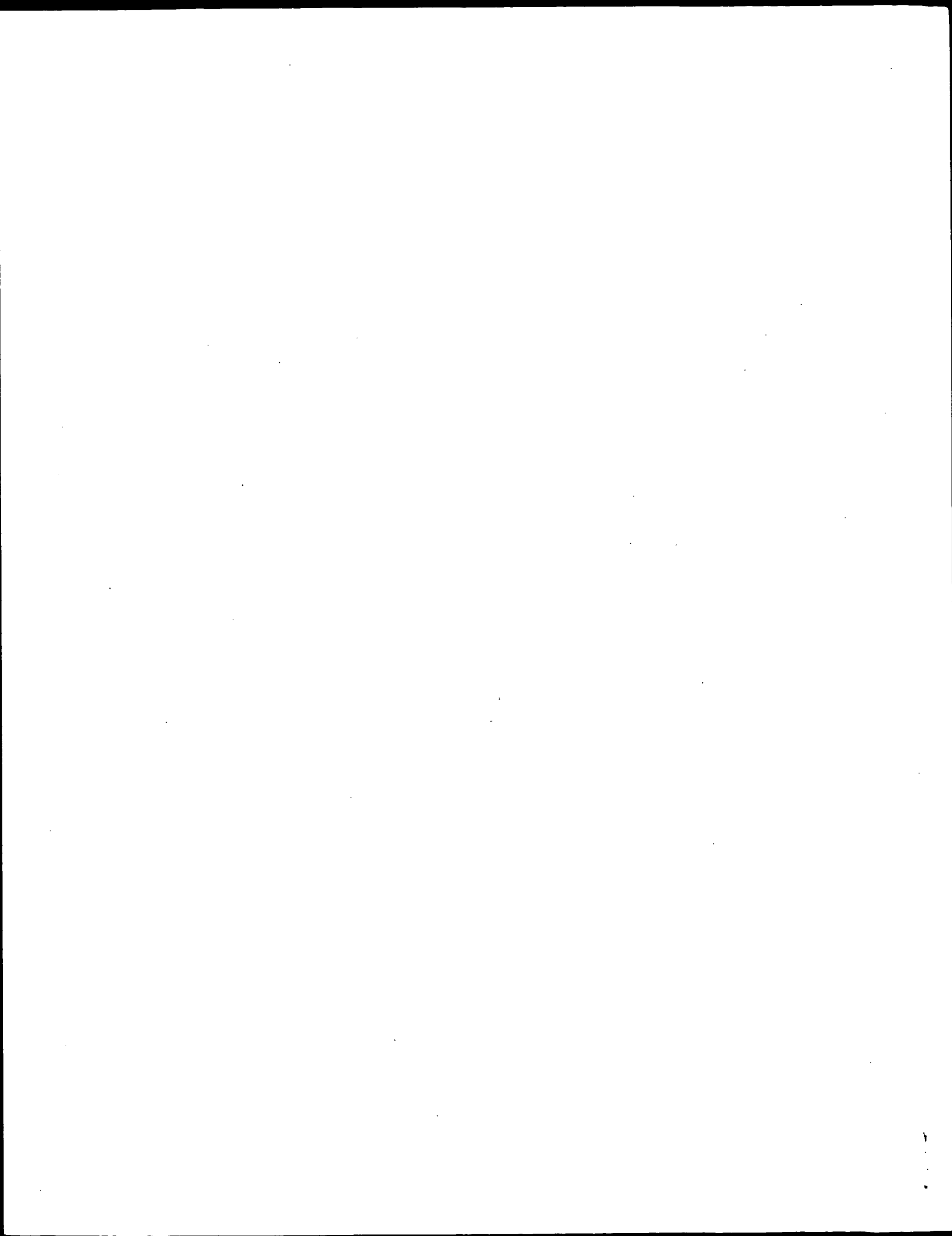
QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 1155 CTTCTGCGGTCGCCGG 1139

RESULT 12
US-09-739-449-196/c
; Sequence 196, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 196
; LENGTH: 63957
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(63957)
; OTHER INFORMATION: unsure at all n locations
US-09-739-449-196

Query Match 90.6%; Score 15.4; DB 5; Length 63957;
Best Local Similarity 94.1%; Pred. No. 8.1;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CTTCTGCGGTCGCCGG 17
|||||
Db 42153 CTTCTGCGGTCGCCGG 42137

RESULT 13
US-09-739-449-2096
; Sequence 2096, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23



GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:49 ; Search time 11829.6 Seconds
(without alignments)
6.602 Million cell updates/sec

Title: US-09-093-972c-959

Perfect score: 15

Sequence: 1 TCCTGGCTTGTGGC 15

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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56: /cgn2_6/ptodata/2/pna/US6024_COMB.seq.*
57: /cgn2_6/ptodata/2/pna/US6025_COMB.seq.*
58: /cgn2_6/ptodata/2/pna/US6026_COMB.seq.*
59: /cgn2_6/ptodata/2/pna/US6027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	15	100.0	15	14	US-09-093-972c-959
2	15	100.0	15	19	US-09-509-152A-962
C 3	15	100.0	115	20	US-09-534-843-20714
C 4	15	100.0	130	7	US-08-346-731-4029
C 5	15	100.0	130	8	US-08-420-856-4029
C 6	15	100.0	130	8	US-08-420-856A-4029
C 7	15	100.0	130	8	US-08-420-856-4029
9	15	100.0	207	13	US-08-903-472-1339
10	15	100.0	207	20	US-09-534-843-24972
11	15	100.0	207	34	US-06-023-388-1339
12	15	100.0	225	14	US-09-041-895-918
13	15	100.0	225	34	US-06-022-912-918
14	15	100.0	226	13	US-08-903-469-3363
15	15	100.0	226	21	US-09-540-208-24582
16	15	100.0	233	34	US-06-023-339-993
17	15	100.0	233	14	US-09-035-172-338
18	15	100.0	238	12	US-08-885-220B-5358
19	15	100.0	251	11	US-09-534-843-24952
20	15	100.0	251	20	US-08-768-900-351
21	15	100.0	251	20	US-09-534-843-24977
22	15	100.0	255	20	US-09-534-843-24995
23	15	100.0	255	33	US-06-017-556-66
24	15	100.0	256	16	US-09-294-086A-3437
C 25	15	100.0	256	40	US-06-084-492-3276
26	15	100.0	271	20	US-09-534-843-24993
27	15	100.0	276	14	US-09-065-511-3977
28	15	100.0	279	14	US-09-047-925-488
29	15	100.0	279	21	US-09-540-766-25346
30	15	100.0	279	36	US-06-042-356-488
31	15	100.0	281	20	US-09-534-843-24990
32	15	100.0	290	14	US-09-065-511-5324
33	15	100.0	290	20	US-09-534-843-24974
34	15	100.0	306	20	US-09-534-843-24957
35	15	100.0	332	50	US-06-186-652-45
36	15	100.0	350	29	US-09-721-588-2433
37	15	100.0	354	18	US-09-471-275-8650
C 38	15	100.0	366	17	US-09-359-067-23509
39	15	100.0	375	22	US-09-560-862-682
40	15	100.0	392	17	US-09-306-609-8205
41	15	100.0	392	19	US-09-522-251-8205
C 42	15	100.0	393	16	US-09-387-618-21294
43	15	100.0	408	15	US-09-522-305-972
44	15	100.0	414	18	US-09-440-302-377
45	15	100.0	426	30	US-09-359-067-44551
	15	100.0	426	30	US-09-790-478-5739

ALIGNMENTS

RESULT 1

US-09-093-972C-959
; Sequence 959, Application US/0903972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION

NUMBER OF SEQUENCES: 996

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: New Jersey

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/093,972C

FILING DATE: 09-Jun-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/472,527

FILING DATE: 7-June-1995

APPLICATION NUMBER: US 08/757,024

FILING DATE: 26-11-1996

APPLICATION NUMBER: US 08/472,527

FILING DATE: 7-June-1995

APPLICATION NUMBER: US 09/016,464

FILING DATE: 30-January-1998

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-00672

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 959:

SEQUENCE CHARACTERISTICS:

LENGTH: 15 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 959:

US-09-093-972C-959

Query Match 100.0%; Score 15; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTCG 15

|||||

Db 1 TGCTGGGCTTGTCG 15

RESULT 2

US-09-509-152A-962

; Sequence 962, Application US/09509152A

; GENERAL INFORMATION:

; APPLICANT: NYCE, JONATHAN W.

; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION

; FORMULATIONS, KITS & APPLICATIONS

NUMBER OF SEQUENCES: 2419

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 CLARKE DRIVE

CITY: CRANBURY

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/509,152A

FILING DATE: 17-Mar-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/059,160

FILING DATE: 1997-09-17

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-00991

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 962:

SEQUENCE CHARACTERISTICS:

LENGTH: 15 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 962:

US-09-509-152A-962

Query Match 100.0%; Score 15; DB 19; Length 15;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTCG 15

|||||

Db 1 TGCTGGGCTTGTCG 15

RESULT 3

US-09-534-843-20714/C

; Sequence 20714, Application US/09534843

; GENERAL INFORMATION:

; APPLICANT: Seilhamer, Jeffrey J.

; APPLICANT: Delegeane, Angelo M.

; APPLICANT: Stuart, Susan G.

; APPLICANT: Stuve, Laura L.

; APPLICANT: Mullahy, Sara J.

; APPLICANT: Naughton, Rebecca E.

; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING SIGNAL TRANSDUCTION MO

; FILE REFERENCE: PD-1007 CIP

; CURRENT APPLICATION NUMBER: US/09/534,843

; CURRENT FILING DATE: 2000-03-24

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 49783

; SOFTWARE: PERL Program

; SEQ ID NO 20714

; LENGTH: 115

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No: hu01238339

US-09-534-843-20714

```
Query Match 100.0%; Score 15; DB 20; Length 115;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
Db 77 TGCTGGGCTGTGGC 63

RESULT 4
US-08-346-731-4029/c
; Sequence 4029, Application US/08346731
; GENERAL INFORMATION:
; APPLICANT: Craig A. Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products - P016
; NUMBER OF SEQUENCES: 12477
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,731
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: P016
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 4029:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 130 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-346-731-4029

Query Match 100.0%; Score 15; DB 7; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
Db 36 TGCTGGGCTGTGGC 22

RESULT 5
US-08-420-856-4029/c
; Sequence 4029, Application US/08420856
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steve M.
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Li, Haodong
; APPLICANT: Haseltine, William A.
; TITLE OF INVENTION: Human genes, Sequences, and Expression Products - 16
; NUMBER OF SEQUENCES: 12477
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart, & Olstein
```

```
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 5.0
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/420,856
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Olstein, Elliot
; REGISTRATION NUMBER: 24,025
; REFERENCE/DOCKET NUMBER: 325800-259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201) 994-1700
; TELEFAX: (201) 994-1744
; INFORMATION FOR SEQ ID NO: 4029:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 130 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-420-856-4029

Query Match 100.0%; Score 15; DB 8; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
Db 36 TGCTGGGCTGTGGC 22

RESULT 6
US-08-420-856A-4029/c
; Sequence 4029, Application US/08420856A
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Li, Haodong
; APPLICANT: Haseltine, William A.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; NUMBER OF SEQUENCES: 12479
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/420,856A
; FILING DATE: April 12, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
```

NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PO-16.2
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4029:
SEQUENCE CHARACTERISTICS:
LENGTH: 130 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-420-856A-4029

Query Match 100.0%; Score 15; DB 8; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||
DB 36 TGCTGGGCTGTGGC 22

RESULT 7
US-08-420-856-4029/c
; Sequence 4029, Application US/08420856C
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16.2
; CURRENT APPLICATION NUMBER: US/08/420,856C
; CURRENT FILING DATE: 1995-04-12
; EARLIER APPLICATION NUMBER: 08/346,731
; EARLIER FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4029
; LENGTH: 130
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (10)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (45)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (125)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (128)
; OTHER INFORMATION: n equals a,t,g, or c
US-08-420-856-4029

Query Match 100.0%; Score 15; DB 8; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||
DB 36 TGCTGGGCTGTGGC 22

RESULT 8
US-08-903-472-1339
; Sequence 1339, Application US/08903472
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Deleageane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; NUMBER OF SEQUENCES: 1796
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/903,472
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; FILING APPLICATION NUMBER: 60/023,388
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C., Ph.D.
; REGISTRATION NUMBER: 39132
; REFERENCE/DOCKET NUMBER: PD-0220P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 1339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 1754624
US-08-903-472-1339

Query Match 100.0%; Score 15; DB 13; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||
DB 42 TGCTGGGCTGTGGC 56

RESULT 9
US-09-534-843-24972
; Sequence 24972, Application US/09534843
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Deleageane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING SIGNAL TRANSDUCTION MO

```
; FILE REFERENCE: PD-1007 CIP
; CURRENT APPLICATION NUMBER: US/09/534,843
; PRIOR FILING DATE: 2000-03-24
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 49783
; SOFTWARE: PERL Program
; SEQ ID NO 24972
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00059009
; NAME/KEY: unsure
; LOCATION: 126
; OTHER INFORMATION: a, t, c, g, or other
US-09-534-843-24972

Query Match      100.0%; Score 15; DB 20; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
Db 42 tgctgggctgtg9c 56

RESULT 10
US-60-023-388-1339
; Sequence 1339, Application US/60023388
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; NUMBER OF SEQUENCES: 1796
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/60/023,388
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/022,912
; FILING DATE: August 1, 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/905,278
; FILING DATE: August 1, 1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39132
; REFERENCE/DOCKET NUMBER: PD-0220P
; TELEPHONE: (415) 845-4166
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 1339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

Query Match      100.0%; Score 15; DB 14; Length 225;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
Db 42 TGCTGGGCTGTGGC 56

RESULT 11
US-09-041-895-918
; Sequence 918, Application US/09041895
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; NUMBER OF SEQUENCES: 2937
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,895
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/022,912
; FILING DATE: August 1, 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/905,278
; FILING DATE: August 1, 1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PD-0218-1 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 918:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 1669727
US-09-041-895-918
```

Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTCG 15

Db 26 TGCTGGGCTTGTCG 40

RESULT 12

US-60-022-912-918

; Sequence 918, Application US/60022912

; GENERAL INFORMATION:

; APPLICANT: Gooding, Douglas H.

; APPLICANT: Stuve, Laura L.

; APPLICANT: Stuart, Susan G.

; APPLICANT: Ito, Laura Y.

; APPLICANT: Akerblom, Ingrid E.

; APPLICANT: Delegeane, Angelo M.

; APPLICANT: Naughton, Rebecca E.

; APPLICANT: Klingler, Tod M.

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM

; TITLE OF INVENTION: HUMAN BONE MARROW

; NUMBER OF SEQUENCES: 1537

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE

; CITY: PALO ALTO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk.

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/60/022,912

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: CERRONE, MICHAEL C., Ph.D.

; REGISTRATION NUMBER: 39132

; REFERENCE/DOCKET NUMBER: PD-0218P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 855-0555

; TELEFAX: (415) 845-4166

; INFORMATION FOR SEQ ID NO: 918:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 225 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; IMMEDIATE SOURCE:

; CLONE: 1669727

US-60-022-912-918

Query Match 100.0%; Score 15; DB 34; Length 225;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTCG 15

Db 26 TGCTGGGCTTGTCG 40

RESULT 13

US-08-903-469-3363

; Sequence 3363, Application US/08903469

; GENERAL INFORMATION:

; APPLICANT: Gooding, Douglas H.

; APPLICANT: Stuve, Laura L.

; TITLE OF INVENTION: POLYNUCLEOTIDES OF MALE REPRODUCTIVE TISSUE

; FILE REFERENCE: PD-1029 CIP

; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; TITLE OF INVENTION: HUMAN PROSTATE
; NUMBER OF SEQUENCES: 4484
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/903,469
; FILING DATE: HEREWITH
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/023,339
; FILING DATE: JULY 30, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/033,755
; FILING DATE: DECEMBER 19, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PD-0290 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 3363:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 226 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 1710532
; US-08-903-469-3363

Query Match 100.0%; Score 15; DB 13; Length 226;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTCG 15

Db 55 TGCTGGGCTTGTCG 69

RESULT 14

US-09-540-208-24582

; Sequence 24582, Application US/09540208

; GENERAL INFORMATION:

; APPLICANT: Seilhamer, Jeffrey J.

; APPLICANT: Delegeane, Angelo M.

; APPLICANT: Stuart, Susan G.

; APPLICANT: Stuve, Laura L.

; APPLICANT: Mullahy, Sara J.

; APPLICANT: Naughton, Rebecca E.

; TITLE OF INVENTION: POLYNUCLEOTIDES OF MALE REPRODUCTIVE TISSUE

; FILE REFERENCE: PD-1029 CIP

;; CURRENT APPLICATION NUMBER: US/09/540,208
;; CURRENT FILING DATE: 2000-03-31
;; Prior application data removed - refer to PALM or file wrapper
;; NUMBER OF SEQ ID NOS: 70811
;; SOFTWARE: PERL Program
;; SEQ ID NO 24582
;; LENGTH: 226
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; OTHER INFORMATION: Incyte ID No: hu00233207
US-09-540-208-24582

Query Match 100.0%; Score 15; DB 21; Length 226;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGGGCTGTGGC 15
|||||
Db 55 tgctgggctgtg9gc 69

RESULT 15
US-60-023-339-993
; Sequence 993, Application US/60023339
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; TITLE OF INVENTION: HUMAN PROSTATE
; NUMBER OF SEQUENCES: 5752
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/60/023,339
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C., Ph.D.
; REGISTRATION NUMBER: 39132
; REFERENCE/DOCKET NUMBER: PD-0199P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 993:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 226 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 1710552
US-60-023-339-993

Query Match 100.0%; Score 15; DB 34; Length 226;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGGGCTGTGGC 15
|||||
Db 55 TGCTGGGCTGTGGC 69
Search completed: April 26, 2001, 15:31:50
Job time: 30515 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:35 ; Search time 217.85 Seconds
(without alignments)
18.928 Million cell updates/sec

Title: US-09-093-972C-959
Perfect score: 15
Sequence: 1 TGTGGCTGTGGC 15

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents, NA, New.*

- 1: /cgn2_6/ptodata/2/pna/pct_NEW_COMB.seq.*
- 2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15	100.0	15	5	US-09-543-679A-962
2	15	100.0	981	5	US-09-543-679A-2420
3	15	100.0	981	5	US-09-543-679A-2432
4	15	100.0	1942	5	US-09-543-679A-2422
5	15	100.0	1942	5	US-09-543-679A-2434
6	15	100.0	2900	5	US-09-543-679A-2421
7	15	100.0	2900	5	US-09-543-679A-2423
8	15	100.0	5962	5	US-09-543-679A-2423
9	15	100.0	9431	1	PCT-US01-01339-7593
10	15	100.0	9431	1	PCT-US01-01339-7592
11	15	100.0	11786	5	US-09-543-679A-3005
12	15	100.0	117608	5	US-09-543-679A-3002
13	14	93.3	279	5	US-09-540-212A-32611
14	14	93.3	371	1	PCT-US01-01339-285
15	14	93.3	771	5	US-09-739-449-8040
16	14	93.3	850	5	US-09-739-449-2264
17	13.4	89.3	95	5	US-09-540-212A-12098
18	13.4	89.3	200	5	US-09-540-212A-62327
19	13.4	89.3	228	5	US-09-540-212A-2497
20	13.4	89.3	231	5	US-09-540-212A-59881
21	13.4	89.3	266	4	US-08-276-163D-3381
22	13.4	89.3	266	5	US-09-540-212A-57231
23	13.4	89.3	315	5	US-09-442-385-867
24	13.4	89.3	494	4	US-08-276-163D-9452
25	13.4	89.3	500	4	US-08-276-163D-597
26	13.4	89.3	505	4	US-08-276-163D-1579
27	13.4	89.3	511	4	US-08-276-163D-3041

28 13.4 89.3 539 5 US-09-817-427-54
29 13.4 89.3 601 5 US-09-739-449-2360
30 13.4 89.3 627 5 US-09-783-514-2120
31 13.4 89.3 1034 5 US-09-823-356-22
32 13.4 89.3 1504 6 US-60-248-505-1548
33 13.4 89.3 2174 6 US-60-248-505-1891
34 13.4 89.3 2681 6 US-60-248-505-1463
35 13.4 89.3 3299 5 US-09-783-514-2113
36 13.4 89.3 3922 6 US-60-248-505-1843
37 13.4 89.3 4199 5 US-09-543-679A-2668
38 13.4 89.3 5444 5 US-09-543-679A-2669
39 13.4 89.3 5444 5 US-09-543-679A-2670
40 13.4 89.3 8971 5 US-09-809-628-3
41 13.4 89.3 9203 5 US-09-543-679A-2917
42 13.4 89.3 15087 5 US-09-543-679A-2671
43 13.4 89.3 17844 5 US-09-543-679A-2925
44 13.4 89.3 18272 1 PCT-US01-01339-8869
45 13.4 89.3 24977 1 PCT-US01-01339-5951

ALIGNMENTS

RESULT 1

US-09-543-679A-962
; Sequence 962, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Anzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 962:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 962:

US-09-543-679A-962

Query Match 100.0%; Score 15; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTGGC 15
|||||
Db 1 TGCTGGGCTTGTGGC 15

RESULT 2

US-09-543-679A-2420/c
; Sequence 2420, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2420:
US-09-543-679A-2420

Query Match 100.0%; Score 15; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTGGGCTTGTGGC 15
|||||
Db 802 TGCTGGGCTTGTGGC 788
RESULT 3
US-09-543-679A-2432/c
; Sequence 2432, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

QY 1 TGCTGGGCTTGTGGC 15
|||||
Db 802 TGCTGGGCTTGTGGC 788

RESULT 3

US-09-543-679A-2432/c
; Sequence 2432, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:

NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2432:
SEQUENCE CHARACTERISTICS:
LENGTH: 981 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2432:
US-09-543-679A-2432

Query Match 100.0%; Score 15; DB 5; Length 981;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTGGC 15
|||||
Db 802 TGCTGGGCTTGTGGC 788

RESULT 4

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2422:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTGGC 15
|||||

Db 1239 TGCTGGGCTTGTGGC 1225

RESULT 5
US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTGGC 15
|||||

Db 1239 TGCTGGGCTTGTGGC 1225

RESULT 6
US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2421:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTTGTGGC 15
|||||

Db 1212 TGCTGGGCTTGTGGC 1198

RESULT 7
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; US-09-543-679A-2433

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2433:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||

Db 1212 TGCTGGGCTGTGGC 1198

RESULT 8

US-09-543-679A-2423/c
Sequence 2423, Application US/09543679A

GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2423:
SEQUENCE CHARACTERISTICS:
LENGTH: 5962 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 15; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||

Db 5118 TGCTGGGCTGTGGC 5104

RESULT 9

PCT-US01-01339-7593/c
Sequence 7593, Application PC/TUS0101339

GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc., et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006PCT
CURRENT APPLICATION NUMBER: PCT/US01/01339
CURRENT FILING DATE: 2001-03-17
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7593
LENGTH: 9431
TYPE: DNA
ORGANISM: Homo sapiens
PCT-US01-01339-7593

Query Match 100.0%; Score 15; DB 1; Length 9431;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTGGGCTGTGGC 15
|||||

Db 723 TGCTGGGCTGTGGC 709

RESULT 10

PCT-US01-01339-7592/c
Sequence 7592, Application PC/TUS0101339

GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc., et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC006PCT
CURRENT APPLICATION NUMBER: PCT/US01/01339
CURRENT FILING DATE: 2001-03-17
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7592
LENGTH: 9434

; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01339-7592

Query Match 100.0%; Score 15; DB 1; Length 9434;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGGGCTTGTGGC 15
|||||
Db 723 TGCTGGGCTTGTGGC 709

RESULT 11
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3005:
SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 15; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGGGCTTGTGGC 15
|||||
Db 11083 TGCTGGGCTTGTGGC 11069

RESULT 12
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A

; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3002:
SEQUENCE CHARACTERISTICS:
LENGTH: 117608 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 15; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTGGGCTTGTGGC 15
|||||
Db 30352 TGCTGGGCTTGTGGC 30338

RESULT 13
US-09-540-212A-32611
; Sequence 32611, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 32611
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Homo sapiens

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RESULT 15
:
: US-09-739-449-8040/c
: Sequence 8040, Application US/09739449
: GENERAL INFORMATION:
:
: APPLICANT: Hinkle, Gregory J.
: APPLICANT: Slater, Steven C.
: TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
: FILE REFERENCE: 38-10(15490)C
: CURRENT APPLICATION NUMBER: US/09/739,449
: CURRENT FILING DATE: 2000-12-19
: PRIOR APPLICATION NUMBER: US 09/514,000
: PRIOR FILING DATE: 2000-02-23
: NUMBER OF SEQ ID NOS: 13351
: SEQ ID NO 8040
: LENGTH: 771
: TYPE: DNA

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:50 ; Search time 11829.6 Seconds
(without alignments)
6.602 Million cell updates/sec

Title: US-09-093-972c-960
Perfect score: 15
Sequence: 1 GGCCTCTCTTCTGGG 15

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues
Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	15	100.0	15	14	US-09-093-972c-960
2	15	100.0	15	19	US-09-509-152A-963
3	15	100.0	241	11	US-08-792-586-794
4	15	100.0	241	21	US-09-540-766-19192
5	15	100.0	255	13	US-08-943-978-3750
6	15	100.0	255	20	US-09-539-800-1491
7	15	100.0	273	15	US-09-152-050-1638
8	15	100.0	273	21	US-09-540-229-14465
9	15	100.0	286	17	US-09-371-805-2838
10	15	100.0	286	17	US-09-371-805-2838
11	15	100.0	419	18	US-09-465-877-11640
12	15	100.0	430	17	US-09-306-350A-20468
13	15	100.0	439	17	US-09-306-350A-32430
14	15	100.0	456	16	US-09-274-861-6136
15	15	100.0	475	19	US-09-528-409-40623
16	15	100.0	478	18	US-09-465-877-10560
17	15	100.0	479	18	US-09-404-549-928
18	15	100.0	479	18	US-09-404-549A-928
19	15	100.0	485	8	US-08-401-791A-218
20	15	100.0	485	8	US-08-401-791B-218
21	15	100.0	493	16	US-09-293-972-1
22	15	100.0	510	16	US-09-277-227-17350
23	15	100.0	510	17	US-09-346-956-16846
24	15	100.0	521	29	US-09-726-171-467
25	15	100.0	529	18	US-09-401-645-3367
26	15	100.0	558	17	US-09-338-663-479
27	15	100.0	560	17	US-09-338-663-98
28	15	100.0	564	18	US-09-428-151A-5538
29	15	100.0	564	24	US-09-637-889-2385
30	15	100.0	637	21	US-09-548-789-5
31	15	100.0	641	48	US-09-160-202-354
32	15	100.0	680	18	US-09-404-549-4867
33	15	100.0	680	18	US-09-404-549A-4867
34	15	100.0	967	17	US-09-338-663-944
35	15	100.0	967	25	US-09-652-814-8112
36	15	100.0	981	3	US-07-850-701-20
37	15	100.0	981	3	US-07-850-702-20
38	15	100.0	981	3	US-07-850-707A-20
39	15	100.0	981	5	US-08-145-437-20
40	15	100.0	981	6	US-08-239-473-20
41	15	100.0	981	13	US-08-956-499-20
42	15	100.0	981	14	US-09-080-704-20
43	15	100.0	1064	25	US-09-652-814-10526
44	15	100.0	1267	14	US-09-016-434-1267
45	15	100.0	1290	7	US-08-351-414-1

ALIGNMENTS

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RESULT 1
US-09-093-972c-960
; Sequence 960, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
;
; NUMBER OF SEQUENCES: 966
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 960:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 960:
US-09-093-972c-960

Query Match 100.0%; Score 15; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCTCTCTCTCTGGG 15
Db 1 GGCTCTCTCTCTGGG 15

RESULT 2
US-09-509-152A-963
; Sequence 963, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
;
; NUMBER OF SEQUENCES: 2419
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 963:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 963:
US-09-509-152A-963

Query Match 100.0%; Score 15; DB 19; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCTCTCTCTCTGGG 15
Db 1 GGCTCTCTCTCTGGG 15

RESULT 3
US-08-792-586-794/c
; Sequence 794, Application US/08792586
; GENERAL INFORMATION:
; APPLICANT: Stuart, Susan G.
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Lane, John C.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Snabie, James L.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; TITLE OF INVENTION: COLON WITH CROHN'S DISEASE
; NUMBER OF SEQUENCES: 2231
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/792,586
; FILING DATE: Filed Herewith
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/010,832
FILING DATE: January 30, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/010,812
FILING DATE: January 30, 1996
ATTORNEY/AGENT INFORMATION:
NAME: CERRONE, MICHAEL C.
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PD-0110 US
TELEPHONE: (415) 855-0555
TELEFAX: (415) 845-4166
INFORMATION FOR SEQ ID NO: 794:
SEQUENCE CHARACTERISTICS:
LENGTH: 241 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: 776768
US-08-792-586-794

Query Match 100.0%; Score 15; DB 11; Length 241;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCTCTCTCTCTGGG 15
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Db 139 GGCTCTCTCTCTGGG 125

RESULT 4

US-09-540-766-19192/c
Sequence 19192, Application US/09540766
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF GASTROINTESTINAL SYSTEM TISSUE
FILE REFERENCE: PD-1024 CIP
CURRENT APPLICATION NUMBER: US/09/540,766
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION DATA removed - refer tp PALM or File Wrapper
NUMBER OF SEQ ID NOS: 77960
SOFTWARE: PERL Program
SEQ ID NO 19192
LENGTH: 241
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: Incyte ID No: hu00001749
US-09-540-766-19192

Query Match 100.0%; Score 15; DB 21; Length 241;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCTCTCTCTCTGGG 15
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Db 139 GGCTCTCTCTCTGGG 125

RESULT 5

US-08-943-978-3750/c

Sequence 3750, Application US/08943978
GENERAL INFORMATION:
APPLICANT: Gooding, Douglas H.
APPLICANT: Stuve, Laura L.
APPLICANT: Stuart, Susan G.
APPLICANT: Ito, Laura Y.
APPLICANT: Akerblom, Ingrid E.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Klingler, Tod M.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
TITLE OF INVENTION: HUMAN MESOCOLON SIGMOIDEUM
NUMBER OF SEQUENCES: 3760
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/943,978
FILING DATE: October 3, 1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/028,732
FILING DATE: OCTOBER 4, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: CERRONE, MICHAEL C.
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PD-0244 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 3750:
SEQUENCE CHARACTERISTICS:
LENGTH: 255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: 1866270
US-08-943-978-3750

Query Match 100.0%; Score 15; DB 13; Length 255;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCTCTCTCTCTGGG 15
|||||

Db 148 GGCTCTCTCTCTGGG 134

RESULT 6

US-09-539-800-1491/c
Sequence 1491, Application US/09539800
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF CONNECTIVE TISSUE
FILE REFERENCE: PD-1023 CIP

;; CURRENT APPLICATION NUMBER: US/09/539,800
;; CURRENT FILING DATE: 2000-03-30
;; PRIOR APPLICATION NUMBER: 08/521,383
;; PRIOR FILING DATE: August 16, 1995
;; PRIOR APPLICATION NUMBER: 08/271,217
;; PRIOR FILING DATE: June 27, 1994
;; PRIOR APPLICATION NUMBER: 08/334,881
;; PRIOR FILING DATE: November 4, 1994
;; PRIOR APPLICATION NUMBER: 08/943,978
;; PRIOR FILING DATE: October 3, 1997
;; PRIOR APPLICATION NUMBER: 60/028,732
;; PRIOR FILING DATE: October 4, 1996
;; PRIOR APPLICATION NUMBER: 08/943,979
;; PRIOR FILING DATE: October 4, 1997
;; PRIOR APPLICATION NUMBER: 60/027,782
;; PRIOR FILING DATE: October 4, 1996
;; PRIOR APPLICATION NUMBER: 08/993,774
;; PRIOR FILING DATE: December 18, 1997
;; PRIOR APPLICATION NUMBER: 60/034,975
;; PRIOR FILING DATE: December 20, 1996
;; PRIOR APPLICATION NUMBER: 09/250,003
;; PRIOR FILING DATE: February 10, 1999
;; PRIOR APPLICATION NUMBER: 60/074,364
;; PRIOR FILING DATE: February 12, 1998
;; PRIOR APPLICATION NUMBER: 09/452,747
;; PRIOR FILING DATE: December 1, 1999
;; PRIOR APPLICATION NUMBER: 60/111,910
;; PRIOR FILING DATE: December 10, 1998
;; NUMBER OF SEQ ID NOS: 19698
;; SOFTWARE: PERL Program
;; SEQ ID NO 1491
;; LENGTH: 255
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; OTHER INFORMATION: Incyte ID No: hu00278118
;; LOCATION: 9
;; NAME/KEY: unsure
;; OTHER INFORMATION: a, t, c, g, or other
US-09-539-800-1491

Query Match 100.0%; Score 15; DB 20; Length 255;
Best Local Similarity 100.0%; Pred. No. 1.le+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCTCTCTCTCTGGG 15
Db 148 GGCTCTCTCTCTGGG 134

RESULT 7
US-09-152-050-1638
Sequence 1638, Application US/09152050
GENERAL INFORMATION:
APPLICANT: Stuve, Laura L.
APPLICANT: Gooding, Douglas H.
APPLICANT: Mullahy, Sara J.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM RAT
FILE REFERENCE: P2-0025 US
CURRENT APPLICATION NUMBER: US/09/152,050
CURRENT FILING DATE: 1998-09-09
EARLIER APPLICATION NUMBER: 60/058,979
EARLIER FILING DATE: 97-09-12
EARLIER APPLICATION NUMBER: 60/064,580
EARLIER FILING DATE: 97-11-04
NUMBER OF SEQ ID NOS: 3997
SOFTWARE: PERL Program
SEQ ID NO 1638
LENGTH: 273
TYPE: DNA

;; ORGANISM: Rattus norvegicus
;; FEATURE: -
;; OTHER INFORMATION: 700498706H1
US-09-152-050-1638

Query Match 100.0%; Score 15; DB 15; Length 273;
Best Local Similarity 100.0%; Pred. No. 1.le+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCTCTCTCTCTGGG 15
Db 125 ggctctctctctg99 139

RESULT 8
US-09-540-229-144765
Sequence 144765, Application US/09540229
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Deleane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF NERVOUS SYSTEM AND SENSORY ORGANS
FILE REFERENCE: PD-1033 CIP
CURRENT APPLICATION NUMBER: US/09/540,229
CURRENT FILING DATE: 2000-03-31
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 193582
SOFTWARE: PERL Program
SEQ ID NO 144765
LENGTH: 273
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: rat00159940
US-09-540-229-144765

Query Match 100.0%; Score 15; DB 21; Length 273;
Best Local Similarity 100.0%; Pred. No. 1.le+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCTCTCTCTCTGGG 15
Db 125 ggctctctctctg99 139

RESULT 9
US-09-371-805-2838/c
Sequence 2838, Application US/09371805
GENERAL INFORMATION:
APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: MLN98-36PM
CURRENT APPLICATION NUMBER: US/09/371,805
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/095,964
EARLIER FILING DATE: 1998-08-10
EARLIER APPLICATION NUMBER: 60/103,145
EARLIER FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 5184
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2838
LENGTH: 286
TYPE: DNA
ORGANISM: Rat
FEATURE:
NAME/KEY: misc_feature

Query match 100.0%; Score 45; DB 40; Mengen 415
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels

; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS OBTAINED FROM
; FILE REFERENCE: 20411-770
; CURRENT APPLICATION NUMBER: US/09/274,861
; CURRENT FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 11371
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6136
; LENGTH: 456
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-274-861-6136

Query Match 100.0%; Score 15; DB 16; Length 456;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTCTCTTCTGGG 15
Db 450 GGCTCTCTTCTGGG 436
|||||

RESULT 15
US-09-528-409-40623/c
; Sequence 40623, Application US/09528409
; GENERAL INFORMATION:
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Dickson, Mark
; APPLICANT: Jones, Lee W.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; FILE REFERENCE: 774
; CURRENT APPLICATION NUMBER: US/09/528,409
; CURRENT FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,453
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 116231
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 40623
; LENGTH: 475
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(475)
; OTHER INFORMATION: n = A,T,C or G
US-09-528-409-40623

Query Match 100.0%; Score 15; DB 19; Length 475;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTCTCTTCTGGG 15
Db 450 GGCTCTCTTCTGGG 436
|||||

Search completed: April 26, 2001, 15:31:51
Job time: 30516 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:38 ; Search time 217.85 Seconds
(without alignments)
18.928 Million cell updates/sec

Title: US-09-093-972c-960

Perfect score: 15

Sequence: 1 GGCTCTCTCTCTGGG 15

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*

2: /cgn2_6/ptodata/2/pna/US05_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	100.0	15	5	US-09-543-679A-963
2	15	100.0	981	5	US-09-543-679A-2420
3	15	100.0	981	5	US-09-543-679A-2432
4	15	100.0	1942	5	US-09-543-679A-2422
5	15	100.0	1942	5	US-09-543-679A-2434
6	15	100.0	2900	5	US-09-543-679A-2421
7	15	100.0	2900	5	US-09-543-679A-2433
8	15	100.0	5962	5	US-09-543-679A-2423
9	15	100.0	11786	5	US-09-543-679A-3005
10	15	100.0	117608	5	US-09-543-679A-3002
11	14	93.3	499	4	US-08-276-163D-10412
12	14	93.3	533	1	PCT-US01-01339-9029
13	14	93.3	78551	6	US-60-248-823-35
14	14	93.3	300663	5	US-09-739-449-213
15	13.6	90.7	844	1	PCT-US01-01339-995
16	13.4	89.3	176	5	US-09-724-866A-9661
17	13.4	89.3	221	5	US-09-540-212A-21960
18	13.4	89.3	267	5	US-09-540-212A-62486
19	13.4	89.3	278	6	US-60-010-803-291
20	13.4	89.3	309	5	US-09-540-212A-63245
21	13.4	89.3	314	1	PCT-US01-01339-1539
22	13.4	89.3	452	4	US-08-276-163D-7054
23	13.4	89.3	497	4	US-08-276-163D-6428
24	13.4	89.3	500	4	US-08-276-163D-6569
25	13.4	89.3	505	4	US-08-276-163D-8356
26	13.4	89.3	572	1	PCT-US01-01339-9541
27	13.4	89.3	572	1	PCT-US01-01339-9542

Sequence 1754, Ap
Sequence 1621, Ap
Sequence 2, Appli
Sequence 9015, Ap
Sequence 8842, Ap
Sequence 8841, Ap
Sequence 1537, Ap
Sequence 8047, Ap
Sequence 2565, Ap
Sequence 1, Appli
Sequence 2566, Ap
Sequence 300, App
Sequence 9556, Ap
Sequence 495, App
Sequence 289, App
Sequence 208, App
Sequence 205, App

ALIGNMENTS

RESULT 1

US-09-543-679A-963

; Sequence 963, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 963:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 963:

US-09-543-679A-963

Query Match 100.0%; Score 15; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2422:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1942 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCCTCTCTCTCTGGG 15
Db 1408 GGCCTCTCTCTCTGGG 1394

RESULT 5
US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCCTCTCTCTCTGGG 15
Db 1408 GGCCTCTCTCTCTGGG 1394

RESULT 6
US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2421:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCCTCTCTCTCTGGG 15
Db 1381 GGCCTCTCTCTCTGGG 1367

RESULT 7
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

```
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2433:
SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 15; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCTCTCTTCTGGG 15
Db 1381 GGCCTCTCTTCTGGG 1367

RESULT 8
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3005:
SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
```

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APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2423:
SEQUENCE CHARACTERISTICS:
LENGTH: 5962 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 15; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCTCTCTTCTGGG 15
Db 5287 GGCCTCTCTTCTGGG 5273

RESULT 9
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRUCTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3005:
SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 15; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCCTCTCTCTGGG 15
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Db 11252 GGCCTCTCTCTGGG 11238

RESULT 10
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543.679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-543-679A-3002

Query Match 100.0%; Score 15; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCCTCTCTCTGGG 15
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Db 30521 GGCCTCTCTCTGGG 30507

RESULT 11

US-08-276-163D-10412/c
; Sequence 10412, Application US/08276163D
; GENERAL INFORMATION:
; APPLICANT: Adams, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; FILE REFERENCE: PO14
; CURRENT APPLICATION NUMBER: US/08/276,163D
; CURRENT FILING DATE: 1994-07-15
; NUMBER OF SEQ ID NOS: 15314
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10412
; LENGTH: 499
; TYPE: DNA
; ORGANISM: Homo sapiens
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; NAME/KEY: misc feature
; LOCATION: (27)
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; OTHER INFORMATION: n equals a,t,g, or c
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; NAME/KEY: misc feature

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NAME/KEY: misc feature
LOCATION: (355)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (366)
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NAME/KEY: misc feature
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LOCATION: (402)
OTHER INFORMATION: n equals a,t,g, or c
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LOCATION: (404)
OTHER INFORMATION: n equals a,t,g, or c
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LOCATION: (410)
OTHER INFORMATION: n equals a,t,g, or c
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LOCATION: (424)
OTHER INFORMATION: n equals a,t,g, or c
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NAME/KEY: misc feature
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LOCATION: (450)
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NAME/KEY: misc feature
LOCATION: (474)
OTHER INFORMATION: n equals a,t,g, or c
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LOCATION: (480)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (489)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (497)
OTHER INFORMATION: n equals a,t,g, or c
US-08-276-163D-10412

Query Match 93.3%; Score 14; DB 4; Length 499;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GCCTCTCTCTGGG 15
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Db 220 GCCTCTCTCTGGG 207

RESULT 12
PCT-US01-01339-9029
; Sequence 9029, Application PC/TUS0101339
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006PCT
; CURRENT APPLICATION NUMBER: PCT/US01/01339
; CURRENT FILING DATE: 2001-03-17
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9029
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01339-9029

Query Match 93.3%; Score 14; DB 1; Length 533;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCTCTCTCTGGG 14
| | | | | | | | | |
Db 13 ggcctctctctgg 26

RESULT 13
US-60-248-823-35/C
; Sequence 35, Application US/60248823
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN LIPASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN LIPASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000949
; CURRENT APPLICATION NUMBER: US/60/248,823
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 78551
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(78551)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-823-35

Query Match 93.3%; Score 14; DB 6; Length 78551;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 GCCTCTCTTCTGGG 15
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Db 65130 GCCTCTCTTCTGGG 65117

RESULT 14
US-09-739-449-213
; Sequence 213, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 213
; LENGTH: 300663
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(300663)
; OTHER INFORMATION: unsure at all n locations
US-09-739-449-213

Query Match 93.3%; Score 14; DB 5; Length 300663;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTCTCTTCTGGG 14
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Db 200457 ggctctcttctgg 200470

RESULT 15
PCI-US01-01339-995
; Sequence 995, Application PC/TUS0101339
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006PCT
; CURRENT APPLICATION NUMBER: PCI/TUS01/01339
; CURRENT FILING DATE: 2001-03-17
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 995
; LENGTH: 844

; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01339-995

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Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GCCTCTCTTCTGGG 15
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Db 739 gcctctcttctgg 752

Search completed: April 26, 2001, 17:25:45
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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:51 ; Search time 11829.6 Seconds
(without alignments)
6.162 Million cell updates/sec

Title: US-09-093-972c-961

Perfect score: 14

Sequence: 1 CCGGTCCTCCCGT 14

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	14	100.0	14	14	US-09-093-972c-961
2	14	100.0	14	19	US-09-509-152A-964
3	14	100.0	25	55	US-60-234-017-170933
4	14	100.0	25	55	US-60-234-017-170939
5	14	100.0	205	17	US-09-304-517A-245036
6	14	100.0	205	17	US-09-391-630-12355
7	14	100.0	205	25	US-09-654-617-61144
8	14	100.0	205	27	US-09-684-016-61144
9	14	100.0	205	46	US-60-144-084-6310
10	14	100.0	214	7	US-08-385-268-458
11	14	100.0	214	13	US-08-964-263-458
12	14	100.0	214	20	US-09-535-897-24052
13	14	100.0	220	14	US-09-076-667-3986
14	14	100.0	220	20	US-09-534-843-15590
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17	14	100.0	363	20	US-09-535-897-28180
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21	14	100.0	492	50	US-60-182-316-14096
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23	14	100.0	500	49	US-60-172-377-4637
24	14	100.0	505	16	US-09-293-972-30580
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26	14	100.0	585	45	US-60-135-951-1874
27	14	100.0	641	48	US-60-160-202-354
28	14	100.0	1051	55	US-60-234-690-11206
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31	14	100.0	2897	56	US-60-245-225-642
32	14	100.0	2900	5	US-08-179-575-5
33	14	100.0	2919	49	US-60-172-373-2355
34	14	100.0	2956	24	US-09-620-392-45465
35	14	100.0	4649	49	US-60-172-373-17674
36	14	100.0	6945	56	US-60-243-468-91
37	14	100.0	14134	24	US-09-620-392-58164
38	14	100.0	19604	52	US-60-207-583-320
39	14	100.0	22417	24	US-09-620-392-45693
40	14	100.0	32768	52	US-60-207-315-263
41	14	100.0	32768	52	US-60-208-129-85
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Sequence 961, App

Sequence 964, App

Sequence 170933,

Sequence 170939,

Sequence 245036,

Sequence 12355, A

Sequence 61144, A

Sequence 61144, A

Sequence 6310, App

Sequence 438, App

Sequence 458, App

Sequence 24052, A

Sequence 3986, App

Sequence 15590, A

Sequence 3986, App

Sequence 28179, A

Sequence 28180, A

Sequence 11640, A

Sequence 32430, A

Sequence 10660, A

Sequence 14096, A

Sequence 1, Appli

Sequence 4637, App

Sequence 30580, A

Sequence 8738, App

Sequence 1874, App

Sequence 354, App

Sequence 11206, A

Sequence 1, Appli

Sequence 3, Appli

Sequence 5, Appli

Sequence 642, App

Sequence 3355, App

Sequence 45465, A

Sequence 17674, A

Sequence 91, Appli

Sequence 58164, A

Sequence 320, App

Sequence 45693, A

Sequence 263, App

Sequence 85, Appli

Sequence 103, App

Sequence 222, App

Sequence 105, App

Sequence 697, App

ALIGNMENTS

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RESULT 1
US-09-093-972C-961
; Sequence 961, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
;
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 961:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 961:
US-09-093-972C-961

Query Match 100.0%; Score 14; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
Db 1 CCTGGTCCCTCCGT 14

RESULT 2
US-09-509-152A-964
; Sequence 964, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
;
; NUMBER OF SEQUENCES: 2419
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 964:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 964:
US-09-509-152A-964

Query Match 100.0%; Score 14; DB 19; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
Db 1 CCTGGTCCCTCCGT 14

RESULT 3
US-60-234-017-170933/c
; Sequence 170933, Application US/60234017
; GENERAL INFORMATION:
; APPLICANT: Mittmann, M
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus
; TITLE OF INVENTION: musculus
; FILE REFERENCE: 3115
;
; CURRENT APPLICATION NUMBER: US/60/234,017
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 170933
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AW121774
US-60-234-017-170933

Query Match 100.0%; Score 14; DB 55; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
```



```

; FILE REFERENCE: 38-21(15441)B
; CURRENT APPLICATION NUMBER: US/09/391,630
; CURRENT FILING DATE: 1999-09-08
; NUMBER OF SEQ ID NOS: 18869
; SEQ ID NO 12355
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3050-027-Q1-E1-A3
; US-09-391-630-12355

Query Match      100.0%; Score 14; DB 17; Length 205;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
   |||||
Db 169 cctggctccctccgt 182

RESULT 7
US-09-654-617-61144
; Sequence 61144, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong Annotated Plant Genes
; TITLE OF INVENTION: 38-21(15097)D
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 61144
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; US-09-654-617-61144

Query Match      100.0%; Score 14; DB 25; Length 205;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
   |||||
Db 169 cctggctccctccgt 182

RESULT 8
US-09-684-016-61144
; Sequence 61144, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong Annotated Plant Genes
; TITLE OF INVENTION: 38-21(15097)D
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 61144
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; US-09-684-016-61144

Query Match      100.0%; Score 14; DB 27; Length 205;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; FILE REFERENCE: 38-21(15441)B
; CURRENT APPLICATION NUMBER: US/09/391,630
; CURRENT FILING DATE: 1999-09-08
; NUMBER OF SEQ ID NOS: 18869
; SEQ ID NO 12355
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3050-027-Q1-E1-A3
; US-09-391-630-12355

Query Match      100.0%; Score 14; DB 55; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
   |||||
Db 16 CCTGGTCCCTCCGT 3

RESULT 5
US-09-304-517A-245036
; Sequence 245036, Application US/09304517A
; GENERAL INFORMATION:
; APPLICANT: Cheikh, Nordine
; APPLICANT: Liu, Jingdong Annotated Plant Genes
; TITLE OF INVENTION: 38-21(15097)B
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/304,517A
; CURRENT FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 295529
; SEQ ID NO 245036
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; US-09-304-517A-245036

Query Match      100.0%; Score 14; DB 17; Length 205;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
   |||||
Db 169 cctggctccctccgt 182

RESULT 6
US-09-391-630-12355
; Sequence 12355, Application US/09391630
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: Heck, Gregory R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Shukla, Hridayabhiramjam
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; PLANTS
```

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 169 cctggctccctccgt 182

RESULT 9

US-60-144-084-6310
; Sequence 6310, Application US/60144084
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S.
; APPLICANT: Buehler, Robert E.
; APPLICANT: Byrum, Joseph R.
; APPLICANT: Coombs, Brian E.
; APPLICANT: Heck, Gregory R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Nelson, Donald E.
; APPLICANT: Shukla, Hridayabhramjam
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 38-21(15444)B
; CURRENT APPLICATION NUMBER: US/60/144,084
; CURRENT FILING DATE: 1999-07-16
; NUMBER OF SEQ ID NOS: 47776
; SEQ ID NO 6310
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3050-027-Q1-E1-A3
US-60-144-084-6310

Query Match 100.0%; Score 14; DB 46; Length 205;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 169 cctggctccctccgt 182

RESULT 10

US-08-385-268-458/c
; Sequence 458, Application US/08385268
; GENERAL INFORMATION:
; APPLICANT: Wilde, Craig G.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Bills, Pamela Kay
; APPLICANT: Pham, Mino Thu
; APPLICANT: Petty, Christina M.
; TITLE OF INVENTION: STOMACH CELL-DERIVED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 4636
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3330 HILLVIEW AVENUE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,268
; FILING DATE: HEREWITH
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/385,268
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: LUTHER, BARBARA J.
; REGISTRATION NUMBER: 33954
; REFERENCE/DOCKET NUMBER: PD-0022 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 855-0572
; INFORMATION FOR SEQ ID NO: 458:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 214 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: 214714
US-08-385-268-458

; REFERENCE/DOCKET NUMBER: PD-0022 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 855-0572
; INFORMATION FOR SEQ ID NO: 458:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 214 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: 214714
US-08-385-268-458

Query Match 100.0%; Score 14; DB 7; Length 214;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 198 CCTGGTCCCTCCGT 185

RESULT 11

US-08-964-263-458/c
; Sequence 458, Application US/08964263
; GENERAL INFORMATION:
; APPLICANT: Wilde, Craig G.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Bills, Pamela Kay
; APPLICANT: Pham, Mino Thu
; APPLICANT: Petty, Christina M.
; TITLE OF INVENTION: STOMACH CELL-DERIVED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 4636
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3330 HILLVIEW AVENUE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/964,263
; FILING DATE: 04-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/385,268
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: LUTHER, BARBARA J.
; REGISTRATION NUMBER: 33954
; REFERENCE/DOCKET NUMBER: PD-0022 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 855-0572
; INFORMATION FOR SEQ ID NO: 458:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 214 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: 214714
US-08-964-263-458

Query Match 100.0%; Score 14; DB 13; Length 214;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
Db 198 CCTGGTCCCTCCGT 185

RESULT 12

US-09-535-897-24052/c
; Sequence 24052, Application US/09535897
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING TRANSCRIPTION FACTORS AND
; FILE REFERENCE: PD-1008 CIP
; CURRENT APPLICATION NUMBER: US/09/535,897
; CURRENT FILING DATE: 2000-03-24
; PRIOR APPLICATION DATA removed - refer to PALM or File Wrapper
; NUMBER OF SEQ ID NOS: 46364
; SOFTWARE: PERL Program
; SEQ ID NO 24052
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00724717
; LOCATION: 17, 147, 203
; OTHER INFORMATION: a, t, c, g, or other
US-09-535-897-24052

Query Match 100.0%; Score 14; DB 20; Length 214;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
Db 198 CCTGGTCCCTCCGT 185

RESULT 13

US-09-076-667-3986/c
; Sequence 3986, Application US/09076667
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; NUMBER OF SEQUENCES: 4483
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/076,667
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PD-0370P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 3986:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; CLONE: 3271070H1
US-09-076-667-3986

Query Match 100.0%; Score 14; DB 14; Length 220;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
Db 106 CCTGGTCCCTCCGT 93

RESULT 14

US-09-534-843-15590/c
; Sequence 15590, Application US/09534843
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING SIGNAL TRANSDUCTION MO
; FILE REFERENCE: PD-1007 CIP
; CURRENT APPLICATION NUMBER: US/09/534,843
; CURRENT FILING DATE: 2000-03-24
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 49783
; SOFTWARE: PERL Program
; SEQ ID NO 15590
; LENGTH: 220
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00326089
; NAME/KEY: unsure
; LOCATION: 191
; OTHER INFORMATION: a, t, c, g, or other
US-09-534-843-15590

Query Match 100.0%; Score 14; DB 20; Length 220;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
Db 106 CCTGGTCCCTCCGT 93

Db 106 CCTGGTCCCTCCGT 93

RESULT 15

US-60-048-002-3986/c
 ; Sequence 3986, Application US/60048002
 ; GENERAL INFORMATION:
 ; APPLICANT: Gooding, Douglas H.
 ; APPLICANT: Stuve, Laura L.
 ; APPLICANT: Stuart, Susan G.
 ; APPLICANT: Ito, Laura Y.
 ; APPLICANT: Akerblom, Ingrid E.
 ; APPLICANT: Delegeane, Angelo M.
 ; APPLICANT: Naughton, Rebecca E.
 ; APPLICANT: Klingler, Tod M.
 ; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
 ; HUMAN BRAIN
 ; NUMBER OF SEQUENCES: 4483
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 ; STREET: 3174 PORTER DRIVE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/60/048,002
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: CERRONE, MICHAEL C.
 ; REGISTRATION NUMBER: 39,132
 ; REFERENCE/DOCKET NUMBER: PD-0370P
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 855-0555
 ; TELEFAX: (415) 845-4166
 ; INFORMATION FOR SEQ ID NO: 3986:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 220 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; IMMEDIATE SOURCE:
 ; CLONE: 3271070H1
 ; US-60-048-002-3986

Query Match 100.0%; Score 14; DB 36; Length 220;
 Best Local Similarity 100.0%; Pred No. 1.8e+03;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
 |
 Db 106 CCTGGTCCCTCCGT 93

Search completed: April 26, 2001, 15:31:52
 Job time: 30517 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:45 ; Search time 217.85 Seconds
(without alignments)
17.666 Million cell updates/sec

Title: US-09-093-972C-961

Perfect score: 14

Sequence: 1 CCGGTCCCTCCGT 14

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents.NA.New.*

- 1: /cgn2.6/ptodata/2/pna/PCT_NEW_COMB.seq.*
- 2: /cgn2.6/ptodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2.6/ptodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2.6/ptodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2.6/ptodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2.6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	14	100.0	14	5	US-09-543-679A-964
2	14	100.0	1942	5	US-09-543-679A-2422
3	14	100.0	1942	5	US-09-543-679A-2434
4	14	100.0	2900	5	US-09-543-679A-2421
5	14	100.0	2900	5	US-09-543-679A-2433
6	14	100.0	5962	5	US-09-543-679A-2423
7	14	100.0	11786	5	US-09-543-679A-3005
8	14	100.0	117608	5	US-09-543-679A-3002
9	13	92.9	123	5	US-09-543-679A-1717
10	13	92.9	290	5	US-09-540-212A-56928
11	13	92.9	302	5	US-09-540-212A-57069
12	13	92.9	84272	6	US-60-248-505-65
13	13	92.9	107487	6	US-60-248-505-231
14	13	92.9	148098	6	US-60-248-823-372
15	12.4	88.6	190	5	US-09-442-385-340
16	12.4	88.6	267	5	US-09-540-212A-7045
17	12.4	88.6	285	5	US-09-815-343-32
18	12.4	88.6	286	5	US-09-815-343-703
19	12.4	88.6	304	5	US-09-540-212A-372
20	12.4	88.6	333	6	US-60-010-803-2462
21	12.4	88.6	386	4	US-08-276-163D-12816
22	12.4	88.6	412	4	US-08-276-163D-1052
23	12.4	88.6	432	5	US-09-817-427-200
24	12.4	88.6	493	5	US-09-724-866A-9390
25	12.4	88.6	496	4	US-08-276-163D-1458
26	12.4	88.6	505	4	US-08-276-163D-1328
27	12.4	88.6	642	1	PCT-US01-01339-6507

28	12.4	88.6	1421	1	PCT-US01-01339-6507
29	12.4	88.6	1452	1	PCT-US01-09226-7
30	12.4	88.6	1818	5	US-09-783-514-1979
31	12.4	88.6	3275	5	US-09-783-514-2111
32	12.4	88.6	3275	5	US-09-783-514-2123
33	12.4	88.6	3275	5	US-60-248-505-168
34	12.4	88.6	23337	6	US-60-248-823-40
35	12.4	88.6	24034	6	US-60-254-168-42
36	12.4	88.6	38937	6	US-60-248-505-505
37	12.4	88.6	48741	6	US-60-248-505-66
38	12.4	88.6	59790	6	US-60-248-823-56
39	12.4	88.6	61879	6	US-60-248-505-54
40	12.4	88.6	99568	6	US-60-248-505-363
41	12.4	88.6	140715	6	US-60-248-505-477
42	12.4	88.6	142631	6	US-09-820-007-3
43	12.4	88.6	213456	5	US-60-248-505-199
44	12.4	88.6	259200	6	US-09-540-212A-67300
45	12	85.7	189	5	US-09-540-212A-67300

ALIGNMENTS

RESULT 1
US-09-543-679A-964
; Sequence 964, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE, COMPOSITIONS, KIT & METHOD FOR TREATMENT OF AIRWAY DISORDERS ASSOCIATED WITH BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 964:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 964:
US-09-543-679A-964

Query Match 100.0%; Score 14; DB 5; Length 14;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 1 CCTGGTCCCTCCGT 14

RESULT 2

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2422:
LENGTH: 1942 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2422:

US-09-543-679A-2422
Query Match 100.0%; Score 14; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 1653 CCTGGTCCCTCCGT 1640

RESULT 3

US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2434:
SEQUENCE CHARACTERISTICS:
LENGTH: 1942 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434
Query Match 100.0%; Score 14; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
Db 1653 CCTGGTCCCTCCGT 1640

RESULT 4

US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958

;
;
;
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2421:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCGT 14
|||||
DB 1627 CCTGGTCCCTCCGT 1614

RESULT 5
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2433:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCTGGTCCCTCCGT 14
|||||
DB 1627 CCTGGTCCCTCCGT 1614

RESULT 6
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 14; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCTGGTCCCTCCGT 14
|||||
DB 5532 CCTGGTCCCTCCGT 5519

RESULT 7
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
US-09-543-679A-2433


```
;
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1717:
US-09-543-679A-1717

Query Match          92.9%; Score 13; DB 5; Length 123;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCG 13
Db 18 CCTGGTCCCTCCG 30

RESULT 10
US-09-540-212A-56928
; Sequence 56928, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 56928
; LENGTH: 290
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01140933
US-09-540-212A-56928

Query Match          92.9%; Score 13; DB 5; Length 290;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCG 13
Db 208 cctggctccctccg 220

RESULT 11
US-09-540-212A-57069
; Sequence 57069, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 57069
; LENGTH: 302
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
```

```
;
; OTHER INFORMATION: Incyte ID No: hu00975882
US-09-540-212A-57069

Query Match          92.9%; Score 13; DB 5; Length 302;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCTGGTCCCTCCG 13
Db 273 cctggctccctccg 285

RESULT 12
US-60-248-505-65
; Sequence 65, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: cl000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 84272
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(84272)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-65

Query Match          92.9%; Score 13; DB 6; Length 84272;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTGGTCCCTCCGT 14
Db 28814 ctggctccctccgt 28826

RESULT 13
US-60-248-505-231/c
; Sequence 231, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: cl000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 107487
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(107487)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-231

Query Match          92.9%; Score 13; DB 6; Length 107487;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Job time: 61689 sec

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Qy 1 CCTGGTCCCTCCG 13
    |||||
Db 94331 CCTGGTCCCTCCG 94319

RESULT 14
US-60-248-823-32/c
; Sequence 32, Application US/60248823
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN LIPASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN LIPASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000949
; CURRENT APPLICATION NUMBER: US/60/248,823
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 148098
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(148098)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-823-32

Query Match 92.9%; Score 13; DB 6; Length 148098;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 CTGGTCCCTCCGT 14
    |||||
Db 18409 CTGGTCCCTCCGT 18397

RESULT 15
US-09-442-385-340
; Sequence 340, Application US/09442385
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashev, Matvey
; TITLE OF INVENTION: Cancer Array
; FILE REFERENCE: CLON-006CIP14
; CURRENT APPLICATION NUMBER: US/09/442,385
; CURRENT FILING DATE: 1995-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 1185
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 340
; LENGTH: 190
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Probe
US-09-442-385-340

Query Match 88.6%; Score 12.4; DB 5; Length 190;
Best Local Similarity 92.9%; Pred. No. 2.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CCTGGTCCCTCCGT 14
    |||||
Db 69 cctgggtccctctgt 82
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Search completed: April 26, 2001, 17:25:52

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:52 ; Search time 11829.6 Seconds
(without alignments)
6.162 Million cell updates/sec

Title: US-09-093-972C-962
Perfect score: 14
Sequence: 1 GGCGCTCCCTGTC 14

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents_NA_Main:*

- 1: /cgn2_6/ptodata/2/pna/US0612_COMB.seq.*
- 2: /cgn2_6/ptodata/2/pna/US06_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US080_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US081_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US082_COMB.seq.*
- 7: /cgn2_6/ptodata/2/pna/US083_COMB.seq.*
- 8: /cgn2_6/ptodata/2/pna/US084_COMB.seq.*
- 9: /cgn2_6/ptodata/2/pna/US085_COMB.seq.*
- 10: /cgn2_6/ptodata/2/pna/US086_COMB.seq.*
- 11: /cgn2_6/ptodata/2/pna/US087_COMB.seq.*
- 12: /cgn2_6/ptodata/2/pna/US088_COMB.seq.*
- 13: /cgn2_6/ptodata/2/pna/US089_COMB.seq.*
- 14: /cgn2_6/ptodata/2/pna/US090_COMB.seq.*
- 15: /cgn2_6/ptodata/2/pna/US091_COMB.seq.*
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- 21: /cgn2_6/ptodata/2/pna/US095C_COMB.seq.*
- 22: /cgn2_6/ptodata/2/pna/US095D_COMB.seq.*
- 23: /cgn2_6/ptodata/2/pna/US096A_COMB.seq.*
- 24: /cgn2_6/ptodata/2/pna/US096B_COMB.seq.*
- 25: /cgn2_6/ptodata/2/pna/US096C_COMB.seq.*
- 26: /cgn2_6/ptodata/2/pna/US096D_COMB.seq.*
- 27: /cgn2_6/ptodata/2/pna/US096E_COMB.seq.*
- 28: /cgn2_6/ptodata/2/pna/US097A_COMB.seq.*
- 29: /cgn2_6/ptodata/2/pna/US097B_COMB.seq.*
- 30: /cgn2_6/ptodata/2/pna/US097C_COMB.seq.*
- 31: /cgn2_6/ptodata/2/pna/US098_COMB.seq.*
- 32: /cgn2_6/ptodata/2/pna/US099_COMB.seq.*
- 33: /cgn2_6/ptodata/2/pna/US6001_COMB.seq.*
- 34: /cgn2_6/ptodata/2/pna/US6002_COMB.seq.*
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- 37: /cgn2_6/ptodata/2/pna/US6005_COMB.seq.*
- 38: /cgn2_6/ptodata/2/pna/US6006_COMB.seq.*
- 39: /cgn2_6/ptodata/2/pna/US6007_COMB.seq.*
- 40: /cgn2_6/ptodata/2/pna/US6008_COMB.seq.*
- 41: /cgn2_6/ptodata/2/pna/US6009_COMB.seq.*
- 42: /cgn2_6/ptodata/2/pna/US6010_COMB.seq.*
- 43: /cgn2_6/ptodata/2/pna/US6011_COMB.seq.*

- 44: /cgn2_6/ptodata/2/pna/US6012_COMB.seq.*
- 45: /cgn2_6/ptodata/2/pna/US6013_COMB.seq.*
- 46: /cgn2_6/ptodata/2/pna/US6014_COMB.seq.*
- 47: /cgn2_6/ptodata/2/pna/US6015_COMB.seq.*
- 48: /cgn2_6/ptodata/2/pna/US6016_COMB.seq.*
- 49: /cgn2_6/ptodata/2/pna/US6017_COMB.seq.*
- 50: /cgn2_6/ptodata/2/pna/US6018_COMB.seq.*
- 51: /cgn2_6/ptodata/2/pna/US6019_COMB.seq.*
- 52: /cgn2_6/ptodata/2/pna/US6020_COMB.seq.*
- 53: /cgn2_6/ptodata/2/pna/US6021_COMB.seq.*
- 54: /cgn2_6/ptodata/2/pna/US6022_COMB.seq.*
- 55: /cgn2_6/ptodata/2/pna/US6023_COMB.seq.*
- 56: /cgn2_6/ptodata/2/pna/US6024_COMB.seq.*
- 57: /cgn2_6/ptodata/2/pna/US6025_COMB.seq.*
- 58: /cgn2_6/ptodata/2/pna/US6026_COMB.seq.*
- 59: /cgn2_6/ptodata/2/pna/US6027_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	14	100.0	14	14	US-09-093-972C-962
2	14	100.0	14	19	US-09-509-152A-965
C 3	14	100.0	34	5	US-08-126-596A-10
C 4	14	100.0	34	7	US-08-310-416-10
5	14	100.0	51	49	US-60-172-373-22235
6	14	100.0	131	53	US-60-217-080-28680
C 7	14	100.0	220	14	US-09-076-667-3986
C 8	14	100.0	220	20	US-09-534-843-15990
C 9	14	100.0	220	36	US-60-048-002-3986
10	14	100.0	227	18	US-09-453-704-1590
11	14	100.0	263	16	US-09-229-412-1753
C 12	14	100.0	374	50	US-60-189-657-17069
13	14	100.0	378	25	US-09-654-617-168491
14	14	100.0	378	27	US-09-684-016-168491
15	14	100.0	387	18	US-09-496-911-5934
16	14	100.0	401	23	US-09-605-700-9077
C 17	14	100.0	403	18	US-09-465-231-1815
C 18	14	100.0	444	45	US-60-135-162-9
C 19	14	100.0	444	46	US-60-140-806-90
C 20	14	100.0	445	19	US-09-528-409-9989
21	14	100.0	462	19	US-09-521-640-126949
22	14	100.0	467	22	US-09-577-408-2956
C 23	14	100.0	469	55	US-60-236-359-381
C 24	14	100.0	477	29	US-09-726-811-1143
C 25	14	100.0	481	48	US-60-169-400-649
C 26	14	100.0	482	29	US-09-726-811-4568
C 27	14	100.0	486	5	US-08-196-362A-609
C 28	14	100.0	486	5	US-08-196-362D-609
C 29	14	100.0	486	5	US-08-196-362E-609
C 30	14	100.0	486	5	US-08-196-362F-609
C 31	14	100.0	488	16	US-09-235-076-30495
32	14	100.0	488	16	US-09-289-768-38644
C 33	14	100.0	488	17	US-09-332-782-30495
C 34	14	100.0	493	16	US-09-233-972-1
35	14	100.0	500	46	US-60-141-856-166
36	14	100.0	505	25	US-09-652-814-1877
37	14	100.0	529	28	US-09-716-973-77
C 38	14	100.0	546	25	US-09-654-617-410166
C 39	14	100.0	546	27	US-09-684-016-410166
C 40	14	100.0	547	25	US-09-733-089-10090
41	14	100.0	557	17	US-09-652-918-6609
42	14	100.0	558	17	US-09-371-508-2691
43	14	100.0	558	17	US-09-371-508-2691
44	14	100.0	558	29	US-09-747-508-2691
45	14	100.0	568	50	US-60-182-316-2256

ALIGNMENTS

```
RESULT 1
US-09-093-972C-962
; Sequence 962, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 966
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 962:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 962:
US-09-093-972C-962

Query Match 100.0%; Score 14; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGCG 14
Db 1 GGTGGCTCTCTGCG 14

RESULT 2
US-09-509-152A-965
; Sequence 965, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 965:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 965:
US-09-509-152A-965

Query Match 100.0%; Score 14; DB 19; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGCG 14
Db 1 GGTGGCTCTCTGCG 14

RESULT 3
US-08-126-596A-10/c
; Sequence 10, Application US/08126596A
; GENERAL INFORMATION:
; APPLICANT: Jone-Long Ko et al.
; TITLE OF INVENTION: CHIMERIC PROTEINS WHICH INHIBIT
; TITLE OF INVENTION: COMPLEMENT ACTIVATION
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: Wordperfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/126,596A
; FILING DATE: September 24, 1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
```

ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06180/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 34
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-126-596A-10

Query Match 100.0%; Score 14; DB 5; Length 34;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGTC 14
|||||
DB 21 GGTGGCTCTCTGTC 8

RESULT 4
US-08-310-416-10/c
Sequence 10, Application US/08310416
GENERAL INFORMATION:
APPLICANT: Jone-Long Ko
APPLICANT: Paul J. Higgins
APPLICANT: C. Grace Yeh
TITLE OF INVENTION: CHIMERIC PROTEINS WHICH BLOCK
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55Sx
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/310,416
FILING DATE: September 22, 1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/126,596
FILING DATE: September 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06180/005001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 34
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-310-416-10

Query Match 100.0%; Score 14; DB 7; Length 34;

Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGTC 14
|||||
DB 21 GGTGGCTCTCTGTC 8

RESULT 5
US-60-172-373-22235
Sequence 22235, Application US/60172373
GENERAL INFORMATION:
APPLICANT: Morris, MacDonald
APPLICANT: Lal, Preeti
APPLICANT: Diep, Dinh
TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polym
FILE REFERENCE: GX-0006 P
CURRENT APPLICATION NUMBER: US/60/172,373
CURRENT FILING DATE: 1999-12-16
NUMBER OF SEQ ID NOS: 25,772
SOFTWARE: PERL Program
SEQ ID NO 22235
LENGTH: 51
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: SNP000001216
FEATURE:
NAME/KEY: snp
LOCATION: 26
OTHER INFORMATION: 241059.5, 1727, A->C
US-60-172-373-22235

Query Match 100.0%; Score 14; DB 49; Length 51;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGTC 14
|||||
DB 28 ggtggctctctgtgc 41

RESULT 6
US-60-217-080-28680
Sequence 28680, Application US/60217080
GENERAL INFORMATION:
APPLICANT: Glenn, Matthew
APPLICANT: Grigor, Murray R.
TITLE OF INVENTION: Compositions isolated from bovine tissue
TITLE OF INVENTION: and methods for their use.
FILE REFERENCE: 1051P2
CURRENT APPLICATION NUMBER: US/60/217,080
CURRENT FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 35169
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 28680
LENGTH: 131
TYPE: DNA
ORGANISM: Bovine
US-60-217-080-28680

Query Match 100.0%; Score 14; DB 53; Length 131;
Best Local Similarity 100.0%; Pred. No. 2.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCTCTGTC 14
|||||
DB 63 ggtggctctctgtgc 76

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RESULT 7
US-09-076-667-3986/c
; Sequence 3986, Application US/09076667
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; HUMAN BRAIN
; NUMBER OF SEQUENCES: 4483
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/076,667
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PD-0370P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 3986:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: 3271070H1
; US-09-076-667-3986

Query Match 100.0%; Score 14; DB 14; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
Db 218 GGTGGCTCCTCTGC 205

RESULT 8
US-09-534-843-15590/c
; Sequence 15590, Application US/09534843
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullany, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING SIGNAL TRANSDUCTION MOLECULE
; FILE REFERENCE: PD-1007 CIP
; CURRENT APPLICATION NUMBER: US/09/534,843
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```
; CURRENT FILING DATE: 2000-03-24
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 49783
; SOFTWARE: PERL Program
; SEQ ID NO 15590
; LENGTH: 220
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte ID No: hu00326089
; NAME/KEY: unsure
; LOCATION: 191
; OTHER INFORMATION: a, t, c, g, or other
US-09-534-843-15590

Query Match 100.0%; Score 14; DB 20; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
Db 218 GGTGGCTCCTCTGC 205

RESULT 9
US-60-048-002-3986/c
; Sequence 3986, Application US/60048002
; GENERAL INFORMATION:
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Naughton, Rebecca E.
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; HUMAN BRAIN
; NUMBER OF SEQUENCES: 4483
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/60/048,002
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CERRONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PD-0370P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 855-0555
; TELEFAX: (415) 845-4166
; INFORMATION FOR SEQ ID NO: 3986:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: 3271070H1
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US-60-048-002-3986

Query Match 100.0%; Score 14; DB 36; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 218 GGTGGCTCCTCTGC 205

RESULT 10

US-09-453-704-1590
; Sequence 1590, Application US/09453704
; GENERAL INFORMATION:
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM RAT LUNG
; FILE REFERENCE: PZ-0103 US
; CURRENT APPLICATION NUMBER: US/09/453,704
; CURRENT FILING DATE: 1999-12-03
; EARLIER APPLICATION NUMBER: 60/111,751
; EARLIER FILING DATE: 98-12-10
; NUMBER OF SEQ ID NOS: 2213
; SOFTWARE: PERL Program
; SEQ ID NO 1590
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 48, 76, 172
; OTHER INFORMATION: a or g or c or t, unknown, or other
; FEATURE: -
; OTHER INFORMATION: 701095175h1
US-09-453-704-1590

Query Match 100.0%; Score 14; DB 18; Length 227;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 175 ggtggctcctctgc 188

RESULT 11

US-09-229-412-1753
; Sequence 1753, Application US/09229412
; GENERAL INFORMATION:
; APPLICANT: Stuve, Laura L.
; APPLICANT: Gooding, Douglas H.
; APPLICANT: Argentine, Charles C.
; APPLICANT: Garrow, Bonnie L.
; APPLICANT: Klemm, Juli D.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM RAT BRAIN
; FILE REFERENCE: PZ-0057 US
; CURRENT APPLICATION NUMBER: US/09/229,412
; CURRENT FILING DATE: 1999-01-11
; EARLIER APPLICATION NUMBER: 60/071,763
; EARLIER FILING DATE: January 16, 1998
; EARLIER APPLICATION NUMBER: 60/071,729
; EARLIER FILING DATE: January 16, 1998
; NUMBER OF SEQ ID NOS: 4,732
; SOFTWARE: PERL Program
; SEQ ID NO 1753
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: unsure

; LOCATION: 11, 91, 163, 173, 193, 214, 222, 244, 246
; OTHER INFORMATION: a or g or c or t, unknown, or other
; FEATURE: -
; OTHER INFORMATION: 700784464h1
US-09-229-412-1753

Query Match 100.0%; Score 14; DB 16; Length 263;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 120 ggtggctcctctgc 133

RESULT 12

US-60-189-657-17069/c
; Sequence 17069, Application US/60189657
; GENERAL INFORMATION:
; APPLICANT: Andersen, Scott E.
; APPLICANT: Hammond-Kosack, Kim
; APPLICANT: Masucci, James D.
; APPLICANT: Urban, Martin
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 38-21(51838)A
; CURRENT APPLICATION NUMBER: US/60/189,657
; CURRENT FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 22822
; SEQ ID NO 17069
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Triticum aestivum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3399-033-Pl-K1-E9
US-60-189-657-17069

Query Match 100.0%; Score 14; DB 50; Length 374;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 27 GGTGGCTCCTCTGC 14

RESULT 13

US-09-654-617-168491
; Sequence 168491, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 168491
; LENGTH: 378
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana nossen
US-09-654-617-168491

Query Match 100.0%; Score 14; DB 25; Length 378;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 308 ggtggctcctctgc 321

RESULT 14

US-09-684-016-168491
; Sequence 168491, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 168491
; LENGTH: 378
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana nossen
US-09-684-016-168491

Query Match 100.0%; Score 14; DB 27; Length 378;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCGCTCCTCTGC 14
| | | | | | | | | | | | | | | |
Db 308 ggtggtctctctgc 321

RESULT 15

US-09-496-911-5934
; Sequence 5934, Application US/09496911
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; FILE REFERENCE: 786
; CURRENT APPLICATION NUMBER: US/09/496,911
; CURRENT FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 13944
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 5934
; LENGTH: 387
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-496-911-5934

Query Match 100.0%; Score 14; DB 18; Length 387;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCGCTCCTCTGC 14
| | | | | | | | | | | | | | | |
Db 128 ggtggtctctctgc 141

Search completed: April 26, 2001, 15:31:53
Job time: 30518 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:52 ; Search time 217.85 Seconds
(without alignments)
17.666 Million cell updates/sec

Title: US-09-093-972c-962

Perfect score: 14

Sequence: 1 GGTGGCTCTCTGC 14

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents_NA_New.*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*
2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	14	100.0	14	5	US-09-543-679A-965
2	14	100.0	227	5	US-09-540-212A-63735
3	14	100.0	1942	5	US-09-543-679A-2422
4	14	100.0	1942	5	US-09-543-679A-2434
5	14	100.0	2900	5	US-09-543-679A-2421
6	14	100.0	2900	5	US-09-543-679A-2433
7	14	100.0	5962	5	US-09-543-679A-2423
8	14	100.0	11786	5	US-09-543-679A-3005
9	14	100.0	54447	6	US-60-248-822-7
10	14	100.0	117608	5	US-09-543-679A-3002
11	13	92.9	22	5	US-09-446-289-3
12	13	92.9	59	5	US-09-446-289-60
13	13	92.9	60	5	US-09-446-289-61
14	13	92.9	61	5	US-09-446-289-62
15	13	92.9	62	5	US-09-446-289-63
16	13	92.9	63	5	US-09-446-289-64
17	13	92.9	64	5	US-09-446-289-65
18	13	92.9	65	5	US-09-446-289-66
19	13	92.9	66	5	US-09-446-289-67
20	13	92.9	67	5	US-09-446-289-68
21	13	92.9	68	5	US-09-446-289-69
22	13	92.9	72	5	US-09-446-289-70
23	13	92.9	73	5	US-09-446-289-71
24	13	92.9	74	5	US-09-446-289-72
25	13	92.9	75	5	US-09-446-289-73
26	13	92.9	76	5	US-09-446-289-74
27	13	92.9	77	5	US-09-446-289-75

c 28	13	92.9	102	5	US-09-446-289-76	Sequence 76, Appl
c 29	13	92.9	103	5	US-09-446-289-77	Sequence 77, Appl
c 30	13	92.9	104	5	US-09-446-289-78	Sequence 78, Appl
c 31	13	92.9	105	5	US-09-446-289-79	Sequence 79, Appl
c 32	13	92.9	106	5	US-09-446-289-80	Sequence 80, Appl
c 33	13	92.9	107	5	US-09-446-289-81	Sequence 81, Appl
c 34	13	92.9	108	5	US-09-446-289-82	Sequence 82, Appl
c 35	13	92.9	109	5	US-09-446-289-83	Sequence 83, Appl
c 36	13	92.9	110	5	US-09-446-289-84	Sequence 84, Appl
c 37	13	92.9	111	5	US-09-446-289-85	Sequence 85, Appl
c 38	13	92.9	112	5	US-09-446-289-86	Sequence 86, Appl
c 39	13	92.9	113	5	US-09-446-289-87	Sequence 87, Appl
c 40	13	92.9	114	5	US-09-446-289-88	Sequence 88, Appl
c 41	13	92.9	115	5	US-09-446-289-89	Sequence 89, Appl
c 42	13	92.9	116	5	US-09-446-289-90	Sequence 90, Appl
c 43	13	92.9	117	5	US-09-446-289-91	Sequence 91, Appl
c 44	13	92.9	118	5	US-09-446-289-92	Sequence 92, Appl
c 45	13	92.9	135	5	US-09-446-289-93	Sequence 93, Appl

ALIGNMENTS

RESULT 1

US-09-543-679A-965

; Sequence 965, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 965:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 965:

; US-09-543-679A-965

Query Match 100.0%; Score 14; DB 5; Length 14;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1 GGTGGCTCCTCTGC 14

RESULT 2

US-09-540-212A-63735
; Sequence 63735, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 63735
; LENGTH: 227
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: rat00074057
; NAME/KEY: unsure
; LOCATION: 48, 76, 172
; OTHER INFORMATION: a, t, c, g, or other
US-09-540-212A-63735

Query Match 100.0%; Score 14; DB 5; Length 227;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTGGCTCCTCTGC 14
|||||
Db 175 ggtggctcctctgc 188

RESULT 3

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2422:
SEQUENCE CHARACTERISTICS:
LENGTH: 1942 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 14; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1765 GGTGGCTCCTCTGC 1752

RESULT 4

US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 14; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1765 GGTGGCTCCTCTGC 1752

RESULT 5
US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 6
US-09-543-679A-2433/c
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 7
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 7
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 2900 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 7
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 7
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

Query Match 100.0%; Score 14; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
|||||
Db 1739 GGTGGCTCCTCTGC 1726

RESULT 7
US-09-543-679A-2423/c
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,

```
;
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match          100.0%; Score 14; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
   |||||
Db 5644 GGTGGCTCCTCTGC 5631

RESULT 8
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3005:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11786 base pairs
; TYPE: nucleic acid
```

```
;
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match          100.0%; Score 14; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
   |||||
Db 11609 GGTGGCTCCTCTGC 11596

RESULT 9
US-60-248-822-7/c
; Sequence 7, Application US/60248822
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHODIESTERASE
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; FILE REFERENCE: PHOSPHODIESTERASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000960
; CURRENT APPLICATION NUMBER: US/60/248,822
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 54447
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(54447)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-822-7

Query Match          100.0%; Score 14; DB 6; Length 54447;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCTCCTCTGC 14
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Db 1724 GGTGGCTCCTCTGC 1711

RESULT 10
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOINSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESS: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3005:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11786 base pairs
; TYPE: nucleic acid
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CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3002:
SEQUENCE CHARACTERISTICS:
LENGTH: 117608 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 14; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGGCTCCTCTGC 14

Db 30878 GTGGCTCCTCTGC 30865

RESULT 11
US-09-446-289-3/c
Sequence 3, Application US/09446289
GENERAL INFORMATION:
APPLICANT: Deutsches Krebsforschungszentrum
APPLICANT: Sczakiel, Georg
APPLICANT: Patzel, Volker
TITLE OF INVENTION: Antisense nucleic acids targeting HBV
FILE REFERENCE: K 2642
CURRENT APPLICATION NUMBER: US/09/446,289
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 19725803.4
PRIOR FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 121
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: antisense
OTHER INFORMATION: nucleic acid against RNA originating from HBV
US-09-446-289-3

Query Match 92.9%; Score 13; DB 5; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GTGGCTCCTCTGC 14

Db 19 GTGGCTCCTCTGC 7

RESULT 12
US-09-446-289-60/c
Sequence 60, Application US/09446289
GENERAL INFORMATION:
APPLICANT: Deutsches Krebsforschungszentrum
APPLICANT: Sczakiel, Georg
APPLICANT: Patzel, Volker
TITLE OF INVENTION: Antisense nucleic acids targeting HBV

FILE REFERENCE: K 2642
CURRENT APPLICATION NUMBER: US/09/446,289
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 19725803.4
PRIOR FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 121
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 60
LENGTH: 59
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: antisense
OTHER INFORMATION: nucleic acid against RNA originating from HBV
US-09-446-289-60

Query Match 92.9%; Score 13; DB 5; Length 59;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GTGGCTCCTCTGC 14

Db 59 GTGGCTCCTCTGC 47

RESULT 13
US-09-446-289-61/c
Sequence 61, Application US/09446289
GENERAL INFORMATION:
APPLICANT: Deutsches Krebsforschungszentrum
APPLICANT: Sczakiel, Georg
APPLICANT: Patzel, Volker
TITLE OF INVENTION: Antisense nucleic acids targeting HBV
FILE REFERENCE: K 2642
CURRENT APPLICATION NUMBER: US/09/446,289
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 19725803.4
PRIOR FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 121
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 61
LENGTH: 60
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: antisense
OTHER INFORMATION: nucleic acid against RNA originating from HBV
US-09-446-289-61

Query Match 92.9%; Score 13; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GTGGCTCCTCTGC 14

Db 59 GTGGCTCCTCTGC 47

RESULT 14
US-09-446-289-62/c
Sequence 62, Application US/09446289
GENERAL INFORMATION:
APPLICANT: Deutsches Krebsforschungszentrum
APPLICANT: Sczakiel, Georg
APPLICANT: Patzel, Volker
TITLE OF INVENTION: Antisense nucleic acids targeting HBV
FILE REFERENCE: K 2642
CURRENT APPLICATION NUMBER: US/09/446,289
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 19725803.4
PRIOR FILING DATE: 1997-06-18

; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 62
; LENGTH: 61
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: nucleic acid against RNA originating from HBV
US-09-446-289-62

Query Match 92.9%; Score 13; DB 5; Length 61;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GTGGCTCCTCTGC 14
| | | | | | | | | | | | | | | |
Db 59 GTGGCTCCTCTGC 47

RESULT 15
US-09-446-289-63/c
; Sequence 63, Application US/09446289
; GENERAL INFORMATION:
; APPLICANT: Deutsches Krebsforschungszentrum
; APPLICANT: Sczakiel, Georg
; APPLICANT: Patzel, Volker
; TITLE OF INVENTION: Antisense nucleic acids targeting HBV
; FILE REFERENCE: K 2642
; CURRENT APPLICATION NUMBER: US/09/446,289
; CURRENT FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 19725803.4
; PRIOR FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 63
; LENGTH: 62
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: nucleic acid against RNA originating from HBV
US-09-446-289-63

Query Match 92.9%; Score 13; DB 5; Length 62;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GTGGCTCCTCTGC 14
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Db 59 GTGGCTCCTCTGC 47

Search completed: April 26, 2001, 17:25:55
Job time: 61692 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:53 ; Search time 11829.6 Seconds
(without alignments)
7.922 Million cell updates/sec

Title: US-09-093-972c-963
Perfect score: 18
Sequence: 1 GCTTGGCTCTGGGGCTGC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents_NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	18	100.0	18	14	US-09-093-972C-963	Sequence 963, App
2	18	100.0	18	19	US-09-509-152A-966	Sequence 966, App
3	18	100.0	641	48	US-60-160-202-354	Sequence 354, App
C 4	18	100.0	2180	5	US-08-179-575-3	Sequence 3, Appli
5	18	100.0	2897	56	US-60-245-225-642	Sequence 642, App
C 6	18	100.0	2900	5	US-08-179-575-5	Sequence 5, Appli
C 7	18	100.0	2919	49	US-60-172-373-2355	Sequence 2355, Ap
C 8	18	100.0	80507	56	US-60-245-225-172	Sequence 172, App
C 9	17	94.4	195374	53	US-60-212-664-60	Sequence 60, Appl
C 10	16.4	91.1	163	3	US-07-716-831-291	Sequence 291, App
C 11	16.4	91.1	163	3	US-07-837-195C-291	Sequence 291, App
C 12	16.4	91.1	300	25	US-09-654-617-392163	Sequence 392163,
C 13	16.4	91.1	300	27	US-09-684-016-392163	Sequence 3491, Ap
C 14	16.4	91.1	336	18	US-09-465-231-3491	Sequence 3464, Ap
C 15	16.4	91.1	368	17	US-09-397-424-3464	Sequence 3464, Ap
C 16	16.4	91.1	368	17	US-09-397-424-3464	Sequence 3464, Ap
17	16.4	91.1	382	17	US-09-362-510A-15493	Sequence 15493, A
C 18	16.4	91.1	396	18	US-09-496-911-3490	Sequence 3490, Ap
C 19	16.4	91.1	404	25	US-09-652-124-74	Sequence 74, Appl
C 20	16.4	91.1	411	18	US-09-480-902-8858	Sequence 8858, Ap
C 21	16.4	91.1	447	29	US-09-726-811-2564	Sequence 2564, Ap
C 22	16.4	91.1	496	50	US-60-182-316-1661	Sequence 1661, Ap
C 23	16.4	91.1	508	16	US-09-234-611-37	Sequence 37, Appl
C 24	16.4	91.1	508	16	US-09-248-797-9838	Sequence 9838, Ap
C 25	16.4	91.1	600	50	US-60-180-489-428	Sequence 428, Ap
26	16.4	91.1	968	22	US-09-577-408-3378	Sequence 3378, Ap
27	16.4	91.1	1305	22	US-09-577-410-7421	Sequence 7421, Ap
C 28	16.4	91.1	1365	13	US-08-981-234A-1	Sequence 1, Appli
C 29	16.4	91.1	1365	13	US-08-981-234A-1	Sequence 1, Appli
C 30	16.4	91.1	1365	13	US-08-981-234B-1	Sequence 1, Appli
C 31	16.4	91.1	1434	3	US-07-990-866-1	Sequence 1, Appli
C 32	16.4	91.1	1434	3	US-07-990-866A-1	Sequence 1, Appli
C 33	16.4	91.1	1434	3	US-08-279-510-1	Sequence 1, Appli
C 34	16.4	91.1	1434	6	US-60-188-693-1	Sequence 13, Appl
C 35	16.4	91.1	4664	50	US-60-189-499-13	Sequence 7, Appli
C 36	16.4	91.1	4664	50	US-60-190-065-7	Sequence 1596, A
C 37	16.4	91.1	4564	51	PCT-US01-01322-1596	Sequence 34227, A
38	16.4	91.1	17761	1	PCT-US01-01322-1596	Sequence 64, Appl
39	16.4	91.1	17761	1	PCT-US01-01322-1596	Sequence 8, Appli
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43	16	88.9	33769	21	US-09-543-771-8	Sequence 8, Appli
44	16	88.9	33769	21	US-09-543-771-8	Sequence 8, Appli
45	16	88.9	33769	21	US-09-544-398-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-09-972C-963
 ; Sequence 963, Application US/09093972C
 ; GENERAL INFORMATION:
 ; APPLICANT: Nyce, Jonathan W.
 ; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
 ; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
 ; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
 ;
 ; NUMBER OF SEQUENCES: 996
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
 ; STREET: 7 Clarke Drive
 ; CITY: Cranbury
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 08512
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/093.972C
 ; FILING DATE: 09-Jun-1998
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/472,527
 ; FILING DATE: 7-June-1995
 ; APPLICATION NUMBER: US 08/757,024
 ; FILING DATE: 26-11-1996
 ; APPLICATION NUMBER: US 08/472,527
 ; FILING DATE: 7-June-1995
 ; APPLICATION NUMBER: US 09/016,464
 ; FILING DATE: 30-January-1998
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Amzel, Viviana
 ; REGISTRATION NUMBER: 30,930
 ; REFERENCE/DOCKET NUMBER: EPI-00672
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 609-409-3035
 ; TELEFAX: 413-254-9245
 ; TELEX: <Unknown>
 ; INFORMATION FOR SEQ ID NO: 963:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 18 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 963:
 ; US-09-093-972C-963

Query Match 100.0%; Score 18; DB 14; Length 18;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTTGGTCTCTGGGCTGC 18
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 Db 1 GCTTGGTCTCTGGGCTGC 18

RESULT 2

US-09-509-152A-966
 ; Sequence 966, Application US/09509152A
 ; GENERAL INFORMATION:
 ; APPLICANT: NYCE, JONATHAN W.
 ; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
 ; FORMULATIONS, KITS & APPLICATIONS
 ; NUMBER OF SEQUENCES: 2419

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
 ; STREET: 7 CLARKE DRIVE
 ; CITY: CRANBURY
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 08512
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: ASCII
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/509,152A
 ; FILING DATE: 17-Mar-2000
 ; CLASSIFICATION: UNKNOWN
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/059,160
 ; FILING DATE: 1997-09-17
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Amzel, Viviana
 ; REGISTRATION NUMBER: 30,930
 ; REFERENCE/DOCKET NUMBER: EPI-00991
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 609-409-3035
 ; TELEFAX: 413-254-9245
 ; TELEX: <Unknown>
 ; INFORMATION FOR SEQ ID NO: 966:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 18 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 966:
 ; US-09-509-152A-966

Query Match 100.0%; Score 18; DB 19; Length 18;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTTGGTCTCTGGGCTGC 18
 |||
 Db 1 GCTTGGTCTCTGGGCTGC 18

RESULT 3

US-60-160-202-354
 ; Sequence 354, Application US/60160202
 ; GENERAL INFORMATION:
 ; APPLICANT: BONAZZI, VIVIAN
 ; TITLE OF INVENTION: ISOLATED HUMAN GPCR PROTEIN, NUCLEIC
 ; ACID MOLECULES ENCODING HUMAN GPCR PROTEINS AND USES THEREOF
 ; FILE REFERENCE: CLO00114
 ; CURRENT APPLICATION NUMBER: US/60/160,202
 ; CURRENT FILING DATE: 1999-10-19
 ; NUMBER OF SEQ ID NOS: 4392
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 354
 ; LENGTH: 641
 ; TYPE: DNA
 ; ORGANISM: HUMAN
 ; US-60-160-202-354

Query Match 100.0%; Score 18; DB 48; Length 641;
 Best Local Similarity 100.0%; Pred. No. 4.4e+02;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTTGGTCTCTGGGCTGC 18
 |||
 Db 81 GCTTGGTCTCTGGGCTGC 98

RESULT 4
US-08-179-575-3/c
; Sequence 3, Application US/08179575
; GENERAL INFORMATION:
; APPLICANT: Stiles, Gary L.
; APPLICANT: Ren, Hongzu
; APPLICANT: Olah, Mark E.
; TITLE OF INVENTION: DNA Encoding the Human A1 Adenosine
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: North Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,575
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-64B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2180 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: Intron
; LOCATION: 1..29
; FEATURE:
; NAME/KEY: exon
; LOCATION: 30..2125
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 32..616
; US-08-179-575-3

Query Match 100.0%; Score 18; DB 5; Length 2180;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
Db 1052 GCTTGGTCTCTGGGGCTGC 1035

RESULT 5
US-60-245-225-642
; Sequence 642, Application US/60245225
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000885

; CURRENT APPLICATION NUMBER: US/60/245,225
; CURRENT FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 705
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 2897
; TYPE: DNA
; ORGANISM: Human
; US-60-245-225-642

Query Match 100.0%; Score 18; DB 5; Length 2897;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
Db 1069 gcttggctctggggctgc 1086

RESULT 6
US-08-179-575-5/c
; Sequence 5, Application US/08179575
; GENERAL INFORMATION:
; APPLICANT: Stiles, Gary L.
; APPLICANT: Ren, Hongzu
; APPLICANT: Olah, Mark E.
; TITLE OF INVENTION: DNA Encoding the Human A1 Adenosine
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: North Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,575
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-64B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 411..1391
; US-08-179-575-5

Query Match 100.0%; Score 18; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTTGGTCTCTGGGGCTGC 18

Db 1827 GCTTGGTCTGGGGCTGC 1810
|||||

RESULT 7

US-60-172-373-2355/c

; Sequence 2355, Application US/60172373

; GENERAL INFORMATION:

; APPLICANT: Morris, MacDonald

; APPLICANT: Lal, Preeti

; APPLICANT: Diep, Dinh

; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using

; FILE REFERENCE: Polynucleotide Sequence Databases, and Single Nucleotide Polymorph

; CURRENT APPLICATION NUMBER: US/60/172,373

; NUMBER OF SEQ ID NOS: 25,772

; SOFTWARE: PERL Program

; SEQ ID NO 2355

; LENGTH: 2919

; TYPE: DNA

; ORGANISM: Homo sapiens

; NAME/KEY: misc.feature

; OTHER INFORMATION: Incyte ID No: 474816.2

US-60-172-373-2355

Query Match

Best Local Similarity 100.0%; Score 18; DB 49; Length 2919;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18

|||||

Db 1828 GCTTGGTCTCTGGGGCTGC 1811

RESULT 8

US-60-245-225-172/c

; Sequence 172, Application US/60245225

; GENERAL INFORMATION:

; APPLICANT: Beasley, Ellen

; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED

; FILE REFERENCE: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR

; CURRENT APPLICATION NUMBER: US/60/245,225

; NUMBER OF SEQ ID NOS: 705

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 172

; LENGTH: 80507

; TYPE: DNA

; ORGANISM: Human

; NAME/KEY: misc.feature

; LOCATION: (1)...(80507)

; OTHER INFORMATION: n = A,T,C or G

US-60-245-225-172

Query Match

Best Local Similarity 100.0%; Score 18; DB 56; Length 80507;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18

|||||

Db 77441 GCTTGGTCTCTGGGGCTGC 77424

RESULT 9

US-60-212-664-60/c

; Sequence 60, Application US/60212664

; GENERAL INFORMATION:
; APPLICANT: Ladunga, Steve
; APPLICANT: Spier, Gene
; APPLICANT: Greenberg, Simon
; APPLICANT: Rabkin, Steven
; APPLICANT: Wang, Yu
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; FILE REFERENCE: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; CURRENT APPLICATION NUMBER: US/60/212,664
; NUMBER OF SEQ ID NOS: 636
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60
; LENGTH: 195374
; TYPE: DNA
; ORGANISM: HUMAN
; NAME/KEY: misc.feature
; LOCATION: (1)...(195374)
; OTHER INFORMATION: n = A,T,C or G
US-60-212-664-60

Query Match

Best Local Similarity 100.0%; Score 17; DB 53; Length 195374;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTTGGTCTCTGGGGCTGC 18

|||||

Db 107887 CTTGGTCTCTGGGGCTGC 107871

RESULT 10

US-07-716-831-291/c

; Sequence 291, Application US/07716831

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; TITLE OF INVENTION: SEQUENCES

; NUMBER OF SEQUENCES: 315

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN

; STREET: 1615 L Street, N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20036-5601

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC Compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE: 19910620

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Scott, Watson T.

; REGISTRATION NUMBER: 26,581

; REFERENCE/DOCKET NUMBER: WTS/5683/84948

; TELEPHONE: (202)861-3000

; TELEFAX: (202)822-0944

; TELEX: 6714627 CUSH

; INFORMATION FOR SEQ ID NO: 291:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 163 base pairs

; TYPE: NUCLEIC ACID

; STRANDEDNESS: double

; TOPOLOGY: linear

US-07-716-831-291

Query Match 91.1%; Score 16.4; DB 3; Length 163;
Best Local Similarity 94.4%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
DB 111 GCTTGGTCTCTGGGGCTGC 94

RESULT 11

US-07-837-195C-291/c
; Sequence 291, Application US/07837195C
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: Adams, Mark D.
; APPLICANT: Moreno, Ruben F.
; TITLE OF INVENTION: Sequences Characteristic of Human Gene
; TITLE OF INVENTION: Transcription Product
; NUMBER OF SEQUENCES: 2412 (1-2421, with 9 SEQ ID NOS
; NUMBER OF SEQUENCES: unused.)
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson, and Bear
; STREET: 620 Newport Center Dr. Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/837,195C
; FILING DATE: 19920212
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/716,831
; FILING DATE: 20-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIHO04.004CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; INFORMATION FOR SEQ ID NO: 291:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 163 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
US-07-837-195C-291

Query Match 91.1%; Score 16.4; DB 3; Length 163;
Best Local Similarity 94.4%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
DB 111 GCTTGGTCTCTGGGGCTGC 94

RESULT 12

US-09-654-617-392163/c
; Sequence 392163, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D

; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 392163
; LENGTH: 300
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-654-617-392163

Query Match 91.1%; Score 16.4; DB 25; Length 300;
Best Local Similarity 94.4%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
DB 175 GCTTGGTCTCTGGGGCTGC 158

RESULT 13

US-09-684-016-392163/c
; Sequence 392163, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 392163
; LENGTH: 300
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-684-016-392163

Query Match 91.1%; Score 16.4; DB 27; Length 300;
Best Local Similarity 94.4%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
DB 175 GCTTGGTCTCTGGGGCTGC 158

RESULT 14

US-09-465-231-3491/c
; Sequence 3491, Application US/09465231
; GENERAL INFORMATION:
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; APPLICANT: Tao, Nengbing
; APPLICANT: Warren, Wesley C.
; TITLE OF INVENTION: Nucleic Acid and Other Molecules Associated with Lactation and
; TITLE OF INVENTION: Muscle and Fat Deposition
; FILE REFERENCE: 10297/1
; CURRENT APPLICATION NUMBER: US/09/465,231
; CURRENT FILING DATE: 1999-12-15
; EARLIER APPLICATION NUMBER: USSN 60/113,678
; EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 3491
; LENGTH: 336
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 37-LIB3058-019-Q1-K1-B2
US-09-465-231-3491

Query Match 91.1%; Score 16.4; DB 18; Length 336;
Best Local Similarity 94.4%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GCTTGGCTCTGGGGCTGC 18
|||||
Db 286 GCTTGGCTCTGGGGCTGC 269

RESULT 15

US-09-397-424-3464/C
; Sequence 3464. Application US/09397424
; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; FILE OF INVENTION: HUMAN OSTEOBLAST LIBRARY
; FILE REFERENCE: MN98-45PM
; CURRENT APPLICATION NUMBER: US/09/397,424
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,469
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/106,454
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/107,252
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 60/132,100
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 5379
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3464
; LENGTH: 368
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(368)
; OTHER INFORMATION: n = A,T,C or G
US-09-397-424-3464

Query Match 91.1%; Score 16.4; DB 17; Length 368;
Best Local Similarity 94.4%; Pred. No. 2.3e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GCTTGGCTCTGGGGCTGC 18
|||||
Db 283 GCTTGGCTCTGGGGCTGC 266

Search completed: April 26, 2001, 15:31:57
Job time: 30522 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:55 ; Search time 217.85 Seconds
(without alignments)
22.714 Million cell updates/sec

Title: US-09-093-972c-963

Perfect score: 18
Sequence: 1 GCTTGGCTCGGGCTGC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents NA.New.*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*
2: /cgn2_5/ptodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	18	5	US-09-543-679A-966
2	18	100.0	1942	5	Sequence 966, App
3	18	100.0	1942	5	Sequence 2422, Ap
4	18	100.0	1942	5	Sequence 2434, Ap
5	18	100.0	2900	5	Sequence 2421, Ap
6	18	100.0	2900	5	Sequence 2433, Ap
7	18	100.0	5962	5	Sequence 2423, Ap
8	18	100.0	11786	5	Sequence 3005, Ap
9	15.4	85.6	1875	5	Sequence 3002, Ap
10	15.4	85.6	28438	5	Sequence 740, App
11	15	83.3	123654	6	Sequence 3, Appli
12	14.8	82.2	248	5	Sequence 41, Appl
13	14.8	82.2	262	5	Sequence 24999, A
14	14.8	82.2	330	5	Sequence 7656, Ap
15	14.8	82.2	366	5	Sequence 46066, A
16	14.8	82.2	421	5	Sequence 4325, Ap
17	14.8	82.2	476	5	Sequence 59952, A
18	14.8	82.2	482	5	Sequence 6048, Ap
19	14.8	82.2	859	5	Sequence 19, Appl
20	14.8	82.2	1101	5	Sequence 7666, Ap
21	14.8	82.2	2327	5	Sequence 7048, Ap
22	14.8	82.2	3864	5	Sequence 1, Appli
23	14.8	82.2	6573	1	Sequence 7614, Ap
24	14.8	82.2	8148	1	Sequence 9916, Ap
25	14.8	82.2	12364	6	Sequence 7783, Ap
26	14.8	82.2	14780	6	Sequence 144, App
27	14.8	82.2	16607	1	Sequence 130, App
					Sequence 7366, Ap

28 14.8 82.2 17749 6 US-60-248-505-135
29 14.8 82.2 31208 5 US-09-818-647-3
30 14.8 82.2 32071 6 US-60-248-505-399
31 14.8 82.2 32212 1 PCT-US01-01339-8770
32 14.8 82.2 38823 6 US-60-248-823-18
33 14.4 80.0 236 5 US-09-724-866A-22399
34 14.4 80.0 257 5 US-09-724-866A-18529
35 14.4 80.0 282 5 US-09-724-866A-17921
36 14.4 80.0 323 1 PCT-US01-01339-814
37 14.4 80.0 350 5 US-09-724-866A-21070
38 14.4 80.0 356 5 US-09-724-866A-17672
39 14.4 80.0 360 5 US-09-724-866A-15055
40 14.4 80.0 372 5 US-09-724-866A-15147
41 14.4 80.0 385 5 US-09-724-866A-17695
42 14.4 80.0 395 5 US-09-724-866A-21076
43 14.4 80.0 399 1 PCT-US01-01339-1719
44 14.4 80.0 431 1 PCT-US01-01339-6951
45 14.4 80.0 474 5 US-09-724-866A-16263

ALIGNMENTS

RESULT 1
US-09-543-679A-966
; Sequence 966, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 966:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 966:
US-09-543-679A-966

Query Match 100.0%; Score 18; DB 5; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGCTCTGGGGCTGC 18
|||||
Db 1 GCTTGGCTCTGGGGCTGC 18

RESULT 2

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2422:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 18; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGCTCTGGGGCTGC 18
|||||
Db 1853 GCTTGGCTCTGGGGCTGC 1836

RESULT 3

US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1942 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 18; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGCTCTGGGGCTGC 18
|||||
Db 1853 GCTTGGCTCTGGGGCTGC 1836

RESULT 4

US-09-543-679A-2421/c
; Sequence 2421, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958

0;

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2421:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2900 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2421:
US-09-543-679A-2421

Query Match 100.0%; Score 18; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 6.3; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
Db 1827 GCTTGGTCTCTGGGGCTGC 1810

RESULT 5
US-09-543-679A-2433/C
; Sequence 2433, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2433:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2900 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2433:
US-09-543-679A-2433

Query Match 100.0%; Score 18; DB 5; Length 2900;
Best Local Similarity 100.0%; Pred. No. 6.3; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
Db 1827 GCTTGGTCTCTGGGGCTGC 1810

RESULT 6
US-09-543-679A-2423/C
; Sequence 2423, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match 100.0%; Score 18; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 6.2; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||
Db 5732 GCTTGGTCTCTGGGGCTGC 5715

RESULT 7
US-09-543-679A-3005/C
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
;

COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOSTRUCTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 18; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 6.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 11697 GCTTGGTCTCTGGGGCTGC 11680

RESULT 8

US-09-543-679A-3002/c

Sequence 3002, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOSTRUCTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match 100.0%; Score 18; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 6.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 11697 GCTTGGTCTCTGGGGCTGC 11680

RESULT 8

US-09-543-679A-3002/c

Sequence 3002, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOSTRUCTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 18; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 30966 GCTTGGTCTCTGGGGCTGC 30949

RESULT 9

US-09-811-380-740/c

Sequence 740, Application US/09811380

GENERAL INFORMATION:

APPLICANT: Holtzman, Douglas A.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: MLN98-08pm
CURRENT FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 09/322,104
PRIOR FILING DATE: 1999-05-27
PRIOR APPLICATION NUMBER: 60/087,053
PRIOR FILING DATE: 1998-05-27
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 740
LENGTH: 1875
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(1875)
OTHER INFORMATION: n = A,T,C or G
US-09-811-380-740

APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

SEQUENCE CHARACTERISTICS:
LENGTH: 11786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 18; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 30966 GCTTGGTCTCTGGGGCTGC 30949

RESULT 9

US-09-811-380-740/c

Sequence 740, Application US/09811380

GENERAL INFORMATION:

APPLICANT: Holtzman, Douglas A.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: MLN98-08pm
CURRENT FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 09/322,104
PRIOR FILING DATE: 1999-05-27
PRIOR APPLICATION NUMBER: 60/087,053
PRIOR FILING DATE: 1998-05-27
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 740
LENGTH: 1875
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(1875)
OTHER INFORMATION: n = A,T,C or G
US-09-811-380-740

Query Match 85.6%; Score 15.4; DB 5; Length 1875;
Best Local Similarity 94.1%; Pred. No. 95;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTG 17
|||||

Db 528 GCTTGGTCTCTGGGGCTG 512

RESULT 10

US-09-820-790-3/c

; Sequence 3, Application US/09820790
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001204
; CURRENT APPLICATION NUMBER: US/09/820,790
; CURRENT FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 28438
; TYPE: DNA
; ORGANISM: Human
US-09-820-790-3

Query Match 85.6%; Score 15.4; DB 5; Length 28438;
Best Local Similarity 94.1%; Pred. No. 92;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTTGGTCTCTGGGGCTGC 18
|||||

Db 27018 CTTGGTCTCTGGGGCTGC 27002

RESULT 11

US-60-248-505-41
; Sequence 41, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 123654
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(123654)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-41

Query Match 83.3%; Score 15; DB 6; Length 123654;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TTGGTCTCTGGGGCTG 17
|||||

Db 33468 ttggtctctggggctg 33482

RESULT 12

US-09-540-212A-24999
; Sequence 24999, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP

; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 24999
; LENGTH: 248
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00922256
US-09-540-212A-24999

Query Match 82.2%; Score 14.8; DB 5; Length 248;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 151 gttaggtctctggggctgc 168

RESULT 13

US-09-540-212A-7656
; Sequence 7656, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 7656
; LENGTH: 262
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00729697
US-09-540-212A-7656

Query Match 82.2%; Score 14.8; DB 5; Length 262;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTTGGTCTCTGGGGCTGC 18
|||||

Db 22 gccgggtctctggggctgc 39

RESULT 14

US-09-540-212A-46066/c
; Sequence 46066, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullahy, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551

```
; SOFTWARE: PERL Program
; SEQ ID NO 46066
; LENGTH: 330
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01041706
US-09-540-212A-46066
```

```
Query Match      82.28; Score 14.8; DB 5; Length 330;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 GCTTGGTCTCTGGGGCTGC 18
    || ||| ||||| |||||
Db 228 GCATGGCCCTGGGGCTGC 211
```

```
RESULT 15
US-09-801-833-4325/c
; Sequence 4325, Application US/09801833
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; FILE REFERENCE: 1600.1037-005
; CURRENT APPLICATION NUMBER: US/09/801.833
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/371,168
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: 60/095,907
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/103,145
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 8285
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4325
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(366)
; OTHER INFORMATION: n = A,T,C or G
US-09-801-833-4325
```

```
Query Match      82.28; Score 14.8; DB 5; Length 366;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 GCTTGGTCTCTGGGGCTGC 18
    || ||| ||||| |||||
Db 214 GCCGGTCTCTGGGGCTGC 197
```

Search completed: April 26, 2001, 17:25:59
Job time: 61696 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:57 ; Search time 11829.6 Seconds
(without alignments)
6.602 Million cell updates/sec

Title: US-09-093-972C-964
Perfect score: 15
Sequence: 1 TGCCTCCCTCCTT 15

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues
Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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- 2: /cgn2_6/ptodata/2/pna/US06_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US08_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US081_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US082_COMB.seq.*
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- 10: /cgn2_6/ptodata/2/pna/US086_COMB.seq.*
- 11: /cgn2_6/ptodata/2/pna/US087_COMB.seq.*
- 12: /cgn2_6/ptodata/2/pna/US088_COMB.seq.*
- 13: /cgn2_6/ptodata/2/pna/US089_COMB.seq.*
- 14: /cgn2_6/ptodata/2/pna/US090_COMB.seq.*
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- 16: /cgn2_6/ptodata/2/pna/US092_COMB.seq.*
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- 18: /cgn2_6/ptodata/2/pna/US094_COMB.seq.*
- 19: /cgn2_6/ptodata/2/pna/US095A_COMB.seq.*
- 20: /cgn2_6/ptodata/2/pna/US095B_COMB.seq.*
- 21: /cgn2_6/ptodata/2/pna/US095C_COMB.seq.*
- 22: /cgn2_6/ptodata/2/pna/US095D_COMB.seq.*
- 23: /cgn2_6/ptodata/2/pna/US096A_COMB.seq.*
- 24: /cgn2_6/ptodata/2/pna/US096B_COMB.seq.*
- 25: /cgn2_6/ptodata/2/pna/US096C_COMB.seq.*
- 26: /cgn2_6/ptodata/2/pna/US096D_COMB.seq.*
- 27: /cgn2_6/ptodata/2/pna/US096E_COMB.seq.*
- 28: /cgn2_6/ptodata/2/pna/US097A_COMB.seq.*
- 29: /cgn2_6/ptodata/2/pna/US097B_COMB.seq.*
- 30: /cgn2_6/ptodata/2/pna/US097C_COMB.seq.*
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- 48: /cgn2_6/ptodata/2/pna/US098Q_COMB.seq.*
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- 50: /cgn2_6/ptodata/2/pna/US098S_COMB.seq.*
- 51: /cgn2_6/ptodata/2/pna/US098T_COMB.seq.*
- 52: /cgn2_6/ptodata/2/pna/US098U_COMB.seq.*
- 53: /cgn2_6/ptodata/2/pna/US098V_COMB.seq.*
- 54: /cgn2_6/ptodata/2/pna/US098W_COMB.seq.*
- 55: /cgn2_6/ptodata/2/pna/US098X_COMB.seq.*
- 56: /cgn2_6/ptodata/2/pna/US098Y_COMB.seq.*
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- 58: /cgn2_6/ptodata/2/pna/US098A_COMB.seq.*
- 59: /cgn2_6/ptodata/2/pna/US098B_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	15	100.0	15	14	US-09-093-972C-964
2	15	100.0	15	19	US-09-509-152A-967
c 3	15	100.0	163	3	US-07-716-831-291
c 4	15	100.0	163	3	US-07-837-195C-291
5	15	100.0	269	20	US-09-539-806-13463
6	15	100.0	271	50	US-60-180-489-498
7	15	100.0	312	21	US-09-540-229-139169
8	15	100.0	377	17	US-09-394-745-6417
9	15	100.0	377	22	US-09-565-306-18319
10	15	100.0	377	27	US-09-654-617-316387
11	15	100.0	377	27	US-09-684-016-316387
12	15	100.0	407	19	US-09-521-640-99464
13	15	100.0	440	23	US-09-606-977-8713
14	15	100.0	451	23	US-09-619-643-4251
c 15	15	100.0	489	52	US-60-209-830-27285
c 16	15	100.0	508	16	US-09-234-611-37
c 17	15	100.0	508	16	US-09-248-797-9838
18	15	100.0	641	48	US-60-160-202-354
c 19	15	100.0	1156	19	US-09-505-533-1175
c 20	15	100.0	2180	5	US-08-179-575-3
21	15	100.0	2897	56	US-60-245-225-642
c 22	15	100.0	2900	5	US-08-179-575-5
c 23	15	100.0	2919	49	US-60-172-373-2355
c 24	15	100.0	3312	52	US-60-207-359-72
c 25	15	100.0	5634	24	US-09-620-392-48367
c 26	15	100.0	5634	28	US-09-702-134-24870
c 27	15	100.0	7255	28	US-09-702-134-41214
28	15	100.0	8315	24	US-09-620-392-61447
29	15	100.0	12207	55	US-60-230-445-798
30	15	100.0	12307	24	US-09-620-392-1022
31	15	100.0	13161	28	US-09-702-134-8710
32	15	100.0	31918	19	US-09-528-237A-1717
33	15	100.0	32555	53	US-60-212-355-4
c 34	15	100.0	32768	53	US-60-213-178-276
c 35	15	100.0	32768	53	US-60-234-446-92
c 36	15	100.0	36533	56	US-60-242-679-20
37	15	100.0	77758	20	US-09-534-859-946
c 38	15	100.0	80507	56	US-60-245-225-172
39	15	100.0	86407	56	US-60-243-468-558
40	15	100.0	102916	56	US-60-243-468-531
c 41	15	100.0	135568	56	US-60-242-679-318
42	15	100.0	149232	53	US-60-212-664-121
c 43	15	100.0	158279	53	US-60-212-664-159
c 44	15	100.0	198132	53	US-60-212-664-118
c 45	15	100.0	198132	53	US-60-212-664-138

ALIGNMENTS

```
RESULT 1
US-09-972C-964
; Sequence 964, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 964:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 964:
US-09-093-972C-964

Query Match 100.0%; Score 15; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTCTCTCTCTCTT 15
Db 1 TGCTCTCTCTCTCTT 15

RESULT 2
US-09-509-152A-967
; Sequence 967, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 967:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 967:
US-09-509-152A-967

Query Match 100.0%; Score 15; DB 19; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTCTCTCTCTCTT 15
Db 1 TGCTCTCTCTCTCTT 15

RESULT 3
US-07-716-831-291/c
; Sequence 291, Application US/07716831
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: Adams, Mark
; TITLE OF INVENTION: SEQUENCES
; NUMBER OF SEQUENCES: 315
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1615 L Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036-5601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/716,831
; FILING DATE: 19910620
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Scott, Watson T.
; REGISTRATION NUMBER: 26,581
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REFERENCE/DOCKET NUMBER: WTS/5683/84948
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)861-3000
TELEFAX: (202)822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 291:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
US-07-716-831-291

Query Match 100.0%; Score 15; DB 3; Length 163;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||

Db 128 TGCTCTCTCTCTCTT 114

RESULT 4

US-07-837-195C-291/c
Sequence 291, Application US/07837195C
GENERAL INFORMATION:
APPLICANT: Venter, J. Craig
APPLICANT: Adams, Mark D.
APPLICANT: Moreno, Ruben F.
TITLE OF INVENTION: Sequences Characteristic of Human Gene
TITLE OF INVENTION: Transcription Product
NUMBER OF SEQUENCES: 2412 (1-2421, with 9 SEQ ID NOS
NUMBER OF SEQUENCES: unused.)
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson, and Bear
STREET: 620 Newport Center Dr. Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: USA
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/837,195C
FILING DATE: 19920212
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/716,831
FILING DATE: 20-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Israel, Ned A.
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH004.004CP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-235-8550
TELEFAX: 619-235-0176
INFORMATION FOR SEQ ID NO: 291:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
US-07-837-195C-291

Query Match 100.0%; Score 15; DB 3; Length 163;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

Db 128 TGCTCTCTCTCTCTT 114
|||||

RESULT 5

US-09-539-806-13463
Sequence 13463, Application US/09539806
GENERAL INFORMATION:
APPLICANT: Sellhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF EXOCRINE GLAND TISSUE
FILE REFERENCE: PD-1027 CIP
CURRENT APPLICATION NUMBER: US/09/539,806
CURRENT FILING DATE: 2000-03-30
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 48372
SOFTWARE: PERL Program
SEQ ID NO 13463
LENGTH: 269
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu00825842
US-09-539-806-13463

Query Match 100.0%; Score 15; DB 20; Length 269;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
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Db 166 TGCTCTCTCTCTT 180

RESULT 6

US-60-180-489-498
Sequence 498, Application US/60180489
GENERAL INFORMATION:
APPLICANT: Curtis, Anne
APPLICANT: Lagace, Robert E.
APPLICANT: Klingler, Tod M.
APPLICANT: Stuve, Laura L.
TITLE OF INVENTION: HUMAN CPG ISLANDS
FILE REFERENCE: PX-0002 P
CURRENT APPLICATION NUMBER: US/60/180,489
CURRENT FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 9,814
SOFTWARE: PERL Program
SEQ ID NO 498
LENGTH: 271
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: SAE300479255.F1
FEATURE:
NAME/KEY: unsure
LOCATION: 1-24
OTHER INFORMATION: a, t, c, g, or other
US-60-180-489-498

Query Match 100.0%; Score 15; DB 50; Length 271;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

Db 253 tgctctctctctctt 267
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RESULT 7

US-09-540-229-139169/c

; Sequence 139169, Application US/09540229

; GENERAL INFORMATION:

; APPLICANT: Seilhamer, Jeffrey J.

; APPLICANT: Deleageane, Angelo M.

; APPLICANT: Stuart, Susan G.

; APPLICANT: Stuve, Laura L.

; APPLICANT: Mullahy, Sara J.

; APPLICANT: Naughton, Rebecca E.

; TITLE OF INVENTION: POLYNUCLEOTIDES OF NERVOUS SYSTEM AND SENSORY ORGANS

; FILE REFERENCE: PD-1033 CIP

; CURRENT APPLICATION NUMBER: US/09/540.229

; CURRENT FILING DATE: 2000-03-31

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 193582

; SOFTWARE: PERL Program

; SEQ ID NO 139169

; LENGTH: 312

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No: hu01223369

US-09-540-229-139169

Query Match

Best Local Similarity 100.0%; Score 15; DB 21; Length 312;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

|||||

Db 77 TGCTCTCTCTCTCTT 63

RESULT 8

US-09-394-745-6417

; Sequence 6417, Application US/09394745

; GENERAL INFORMATION:

; APPLICANT: Fisher, Dane K.

; APPLICANT: Lalgudi, Ragnunath V.

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH

; FILE REFERENCE: 38-21(15454)B

; CURRENT APPLICATION NUMBER: US/09/394,745

; CURRENT FILING DATE: 1999-09-15

; NUMBER OF SEQ ID NOS: 57264

; SEQ ID NO 6417

; LENGTH: 377

; TYPE: DNA

; ORGANISM: Zea mays

; OTHER INFORMATION: Clone ID: LIB189-005-Q1-E1-E6

US-09-394-745-6417

Query Match

Best Local Similarity 100.0%; Score 15; DB 17; Length 377;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

|||||

Db 311 tgctctctctctctt 325

RESULT 9

US-09-565-306-18319

; Sequence 18319, Application US/09565306

; GENERAL INFORMATION:

; APPLICANT: Andersen, Scott E.
; APPLICANT: Conner, Timothy W.
; APPLICANT: Lalgudi, Ragnunath V.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated w
; FILE REFERENCE: 38-21(15459)C
; CURRENT APPLICATION NUMBER: US/09/565,306
; CURRENT FILING DATE: 2000-05-04
; NUMBER OF SEQ ID NOS: 83523
; SEQ ID NO 18319
; LENGTH: 377
; TYPE: DNA
; ORGANISM: Zea mays
; OTHER INFORMATION: Clone ID: LIB189-005-Q1-E1-E6
US-09-565-306-18319

Query Match

Best Local Similarity 100.0%; Score 15; DB 22; Length 377;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

|||||

Db 311 tgctctctctctctt 325

RESULT 10

US-09-654-617-316387

; Sequence 316387, Application US/09654617

; GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; TITLE OF INVENTION: Annotated Plant Genes

; FILE REFERENCE: 38-21(15097)D

; CURRENT APPLICATION NUMBER: US/09/654,617

; CURRENT FILING DATE: 2000-09-05

; NUMBER OF SEQ ID NOS: 463173

; SEQ ID NO 316387

; LENGTH: 377

; TYPE: DNA

; ORGANISM: Zea mays

US-09-654-617-316387

Query Match

Best Local Similarity 100.0%; Score 15; DB 25; Length 377;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

|||||

Db 311 tgctctctctctctt 325

RESULT 11

US-09-684-016-316387

; Sequence 316387, Application US/09684016

; GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; TITLE OF INVENTION: Annotated Plant Genes

; FILE REFERENCE: 38-21(15097)D

; CURRENT APPLICATION NUMBER: US/09/684,016

; CURRENT FILING DATE: 2000-10-10

; PRIOR APPLICATION NUMBER: US 09/654,617

; NUMBER OF SEQ ID NOS: 463173

; SEQ ID NO 316387

; LENGTH: 377

; TYPE: DNA

; ORGANISM: Zea mays

US-09-684-016-316387

Query Match 100.0%; Score 15; DB 27; Length 377;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCCTCTCCTT 15
|||||
DB 311 tgctctctctctt 325

RESULT 12

US-09-521-640-99464

; Sequence 99464, Application US/09521640

; GENERAL INFORMATION:

; APPLICANT: Byrum, Joseph R.

; APPLICANT: Halling, Conrad H.

; APPLICANT: Kovalic, David K.

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with

; FILE REFERENCE: 38-21(15750)D

; CURRENT APPLICATION NUMBER: US/09/521.640

; CURRENT FILING DATE: 2000-03-10

; NUMBER OF SEQ ID NOS: 304701

; SEQ ID NO 99464

; LENGTH: 407

; TYPE: DNA

; ORGANISM: Glycine max

; OTHER INFORMATION: unsure at all n locations

US-09-521-640-99464

Query Match 100.0%; Score 15; DB 19; Length 407;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCCTCTCCTT 15
|||||
DB 236 tgctctctctctt 250

RESULT 13

US-09-606-977-8713

; Sequence 8713, Application US/09606977

; GENERAL INFORMATION:

; APPLICANT: Byrum, Joseph R.

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(15877)B

; CURRENT APPLICATION NUMBER: US/09/606,977

; CURRENT FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 82359

; SEQ ID NO 8713

; LENGTH: 440

; TYPE: DNA

; ORGANISM: Zea mays

US-09-606-977-8713

Query Match 100.0%; Score 15; DB 23; Length 440;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCCTCTCCTT 15
|||||
DB 166 tgctctctctctt 180

RESULT 14

US-09-619-643-4251

; Sequence 4251, Application US/09619643

; GENERAL INFORMATION:

; APPLICANT: Fisher, Dane K.

; APPLICANT: Lalgudi, Raghunath V.

; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With

Mon Apr 30 10:39:36 2001

us-09-093-972c-964.rnp

Page 6

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:25:59 ; Search time 217.85 Seconds
(without alignments)
18,928 Million cell updates/sec

Title: US-09-093-972C-964

Perfect score: 1
Sequence: 1 TGTCTCCTCTCCTT 15

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_New.*

- 1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*
- 2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15	100.0	15	5	US-09-543-679A-967
2	15	100.0	1155	5	Sequence 967, App
3	15	100.0	1942	5	Sequence 8, Appli
4	15	100.0	1942	5	Sequence 2422, Ap
5	15	100.0	1942	5	Sequence 2434, Ap
6	15	100.0	2900	5	Sequence 2421, Ap
7	15	100.0	2900	5	Sequence 2433, Ap
8	15	100.0	5962	5	Sequence 2423, Ap
9	15	100.0	11786	5	Sequence 3005, Ap
10	15	100.0	33898	6	Sequence 174, App
11	15	100.0	38812	6	Sequence 382, App
12	15	100.0	117608	5	Sequence 3002, App
13	14	93.3	288	5	Sequence 3895, Ap
14	14	93.3	288	6	Sequence 2405, Ap
15	14	93.3	316	5	Sequence 2427, A
16	14	93.3	488	5	Sequence 49719, A
17	14	93.3	12744	1	Sequence 8228, Ap
18	14	93.3	32249	1	Sequence 7619, Ap
19	14	93.3	71885	6	Sequence 661, App
20	14	93.3	84633	6	Sequence 177, App
21	13.4	89.3	118467	6	Sequence 51, Appl
22	13.4	89.3	194	5	Sequence 92, Appl
23	13.4	89.3	194	5	Sequence 4094, Ap
24	13.4	89.3	233	5	Sequence 58292, A
25	13.4	89.3	234	5	Sequence 26418, A
26	13.4	89.3	235	1	Sequence 9795, Ap
27	13.4	89.3	255	5	Sequence 9691, Ap
28	13.4	89.3	258	5	Sequence 41022, A

C 28	13.4	89.3	276	5	US-09-540-212A-51034	Sequence 51034, A
C 29	13.4	89.3	277	5	US-09-724-866A-9653	Sequence 9653, Ap
C 30	13.4	89.3	280	5	US-09-540-212A-21687	Sequence 21687, A
C 31	13.4	89.3	306	5	US-09-540-212A-4371	Sequence 4371, Ap
C 32	13.4	89.3	338	5	US-09-442-384-311	Sequence 311, App
C 33	13.4	89.3	361	5	US-09-801-833-504	Sequence 504, App
C 34	13.4	89.3	438	5	US-09-540-212A-51467	Sequence 51467, A
C 35	13.4	89.3	441	5	US-09-442-385-1029	Sequence 1029, Ap
C 36	13.4	89.3	444	5	US-09-784-423-19	Sequence 19, Appl
C 37	13.4	89.3	449	4	US-08-276-163D-2711	Sequence 2711, Ap
C 38	13.4	89.3	498	5	US-09-801-833-4575	Sequence 4575, Ap
C 39	13.4	89.3	505	4	US-08-276-163D-14277	Sequence 14277, A
C 40	13.4	89.3	506	4	US-08-276-163D-411	Sequence 411, App
C 41	13.4	89.3	562	5	US-09-801-833-2871	Sequence 2871, Ap
C 42	13.4	89.3	609	5	US-09-801-833-6922	Sequence 6922, Ap
C 43	13.4	89.3	614	5	US-09-811-380-363	Sequence 363, App
C 44	13.4	89.3	654	5	US-09-801-833-2325	Sequence 2325, Ap
C 45	13.4	89.3	679	6	US-60-248-505-1834	Sequence 1834, Ap

ALIGNMENTS

RESULT 1

US-09-543-679A-967

; Sequence 967, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 967:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 967:

US-09-543-679A-967

Query Match 100.0%; Score 15; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||
Db 1 TGCTCTCTCTCTCTT 15

RESULT 2

US-09-734-342-8/c
; Sequence 8, Application US/09734342
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Rounsley, Steven D.
; TITLE OF INVENTION: MYB TRANSCRIPTION FACTORS FROM PLANTS
; FILE REFERENCE: 38-21(15477)A
; CURRENT APPLICATION NUMBER: US/09/734,342
; CURRENT FILING DATE: 2000-12-11
; NUMBER OF SEQ ID NOS: 185
; SEQ ID NO 8
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-734-342-8

Query Match 100.0%; Score 15; DB 5; Length 1155;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||
Db 961 TGCTCTCTCTCTCTT 947

RESULT 3

US-09-543-679A-2422/c
; Sequence 2422, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2422:
SEQUENCE CHARACTERISTICS:
LENGTH: 1942 base pairs

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2422:
US-09-543-679A-2422

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||
Db 1870 TGCTCTCTCTCTCTT 1856

RESULT 4

US-09-543-679A-2434/c
; Sequence 2434, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2434:
SEQUENCE CHARACTERISTICS:
LENGTH: 1942 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2434:
US-09-543-679A-2434

Query Match 100.0%; Score 15; DB 5; Length 1942;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||
Db 1870 TGCTCTCTCTCTCTT 1856

RESULT 5

US-09-543-679A-2421/c

; Sequence 2421, Application US/09543679A

; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2421:

SEQUENCE CHARACTERISTICS:

LENGTH: 2900 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2421:

US-09-543-679A-2421

Query Match 100.0%; Score 15; DB 5; Length 2900;

Best Local Similarity 100.0%; Pred. No. 54;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTCTCCTCTCCTT 15

|||||

Db 1844 TGCTCTCCTCTCCTT 1830

RESULT 6

US-09-543-679A-2433/c

; Sequence 2433, Application US/09543679A

; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2433:

SEQUENCE CHARACTERISTICS:

LENGTH: 2900 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2433:

US-09-543-679A-2433

Query Match 100.0%; Score 15; DB 5; Length 2900;

Best Local Similarity 100.0%; Pred. No. 54;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTCTCCTCTCCTT 15

|||||

Db 1844 TGCTCTCCTCTCCTT 1830

RESULT 7

US-09-543-679A-2423/c

; Sequence 2423, Application US/09543679A

; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICTION, LUNG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

```
;
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match      100.0%; Score 15; DB 5; Length 5962;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
    |||||
Db 5749 TGCTCTCTCTCTT 5735

RESULT 8
US-09-543-679A-3005/c
; Sequence 3005, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543.679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3005:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11786 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3005:
US-09-543-679A-3005

Query Match      100.0%; Score 15; DB 5; Length 11786;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15

;
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2423:
US-09-543-679A-2423

Query Match      100.0%; Score 15; DB 6; Length 33898;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
    |||||
Db 5728 tgctctctctctt 5742

RESULT 10
US-60-248-505-382
; Sequence 382, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 382
; LENGTH: 38812
; TYPE: DNA
; ORGANISM: human
US-60-248-505-382

Query Match      100.0%; Score 15; DB 6; Length 38812;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
    |||||
Db 10642 tgctctctctctt 10656

RESULT 11
US-09-543-679A-3002/c
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3002:
SEQUENCE CHARACTERISTICS:
LENGTH: 117608 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 15; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 15
|||||

Db 30983 TGCTCTCTCTCTCTT 30969

RESULT 12
US-09-724-866A-3895/c
; Sequence 3895, Application US/09724866A
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Polynucleotides, Material Incorporating
; FILE REFERENCE: 11000.1049BU
; CURRENT APPLICATION NUMBER: US/09/724,866A
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/171,432
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 24913
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3895
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-09-724-866A-3895

Query Match 93.3%; Score 14; DB 5; Length 288;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 14
|||||

Db 15 TGCTCTCTCTCTCTT 2

RESULT 13
US-60-010-803-2406/c
; Sequence 2406, Application US/60010803
; GENERAL INFORMATION:
; APPLICANT: Craig A. Rosen
; Patrick S. Dillon
; Julie Earle-Hughes
; Haodong Li
; Steven M. Ruben
; William A. Haseltine
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products - 19
; NUMBER OF SEQUENCES: 4137
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/60/010,803
; FILING DATE: 30-Jan-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: P019
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 2406:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 288 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2406:
US-60-010-803-2406

Query Match 93.3%; Score 14; DB 6; Length 288;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTCTCTCTCTCTT 14
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Db 241 TGCTCTCTCTCTCTT 228

RESULT 14
US-09-724-866A-24275/c
; Sequence 24275, Application US/09724866A
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Polynucleotides, Material Incorporating
; FILE REFERENCE: 11000.1049BU
; CURRENT APPLICATION NUMBER: US/09/724,866A
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/171,432
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 24913
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 24275
; LENGTH: 316
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-09-724-866A-24275

Query Match 93.3%; Score 14; DB 5; Length 316;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGCTCTCCTCTCCT 14
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Db 16 TGCTCTCCTCTCCT 3

RESULT 15
US-09-540-212A-49719/c
; Sequence 49719, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullany, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540, 212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 49719
; LENGTH: 488
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01044246
US-09-540-212A-49719

Query Match 93.3%; Score 14; DB 5; Length 488;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 GCTCTCCTCTCCTT 15
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Db 66 GCTCTCCTCTCCTT 53

Search completed: April 26, 2001, 17:26:02
Job time: 61699 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:31:59 ; Search time 11829.6 Seconds
(without alignments)
9.243 Million cell updates/sec

Title: US-09-093-972c-965

Perfect score: 21
Sequence: 1 TGTCTTTCTTTCTTGGGCTC 21

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	21	100.0	21	8	US-08-474-497-7
2	21	100.0	21	14	US-09-016-464-7
3	21	100.0	21	14	US-09-093-972C-965
4	21	100.0	21	19	US-09-509-152A-968
5	21	100.0	183	24	US-09-637-890-7296
6	21	100.0	329	19	US-09-509-152A-1680
7	21	100.0	435	19	US-09-528-409-85946
8	21	100.0	476	17	US-09-362-510-18289
9	21	100.0	476	17	US-09-587-373-366
10	21	100.0	520	22	US-09-016-434-1357
11	21	100.0	2988	14	US-09-509-152A-2409
12	21	100.0	7800	19	US-60-245-225-141
13	21	100.0	13210	56	US-09-605-699-20494
14	18.4	87.6	123	23	US-09-504-577-67
15	18.4	87.6	273	19	US-09-606-755-17692
16	18.4	87.6	324	23	US-09-620-392-38178
17	18.4	87.6	21434	24	US-09-620-392-15363
18	18.4	87.6	22277	24	US-09-702-134-7616
19	18.4	87.6	35397	28	US-60-248-592-55
20	18.4	87.6	36346	56	US-09-049-820-226
21	18	85.7	206	14	US-09-041-733-2274
22	18	85.7	206	36	US-09-070-693-3704
23	18	85.7	265	14	US-09-044-029-3704
24	18	85.7	265	36	US-09-049-820-797
25	18	85.7	299	14	US-60-041-733-2845
26	18	85.7	299	36	US-60-180-489-3193
27	18	85.7	490	50	US-60-172-373-6243
28	18	85.7	2422	49	US-09-606-755-8316
29	17.8	84.8	67	23	US-09-606-755-1037
30	17.8	84.8	119	49	US-09-605-701-23487
31	17.8	84.8	125	23	US-09-605-699-18112
32	17.8	84.8	145	23	US-09-605-699-10937
33	17.8	84.8	148	23	US-09-606-755-9894
34	17.8	84.8	161	23	US-09-606-755-10272
35	17.8	84.8	172	23	US-09-605-702-23470
36	17.8	84.8	174	23	US-09-606-755-16436
37	17.8	84.8	185	23	US-09-606-755-3993
38	17.8	84.8	204	23	US-09-606-755-9894
39	17.8	84.8	239	49	US-09-081-109-117
40	17.8	84.8	246	14	US-09-540-764-33806
41	17.8	84.8	246	26	US-60-048-727-117
42	17.8	84.8	246	36	US-60-171-431-11267
43	17.8	84.8	263	49	US-09-605-701-15198
44	17.8	84.8	268	23	US-09-606-755-14718
45	17.8	84.8	288	23	US-09-606-755-14718

RESULT

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RESULT      1
US-08-474-497-7
; sequence 7, Application US/08474497
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: Method of Treatment of Lung Diseases
; TITLE OF INVENTION: Using Antisense Oligonucleotides
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: NC
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,497
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5218-32
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919) 881-3140
; TELEFAX: (919) 881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-474-497-7

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Query Match          100.0%;      Score 21;  DB 8;  Length 21;
Best Local Similarity 100.0%;      Pred. No. 20;
Matches 21;  Conservative 0;  Mismatches 0;  Indels 0;

DY      1  TGCTTTCTCTTTCTGGGCCTC  21
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bb      1  TGCTTTCTCTTTCTGGGCCTC  21

RESULT      2
US-09-016-464-7
Sequence 7, Application US/09016464
GENERAL INFORMATION:
APPLICANT: Nyce, Jonathan W.
TITLE OF INVENTION: Method of Treatment of Lung Diseases
Using Antisense Oligonucleotides

NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kenneth D. Sibley
STREET: Post Office Drawer 34009
CITY: Charlotte
STATE: NC
COUNTRY: USA
ZIP: 28234

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/016,464
  FILING DATE: 30-Jan-1998
  CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 08/474,497
  FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
  NAME: Sibley, Kenneth D.
  REGISTRATION NUMBER: 31,665
  REFERENCE/DOCKET NUMBER: 5218-32
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (919) 881-3140
  TELEFAX: (919) 881-3175
  TELEX: 575102
INFORMATION FOR SEQ ID NO: 7:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 21 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
  MOLECULE TYPE: DNA (genomic)
  SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-016-464-7

      Query Match      100.0%; Score 21; DB 14; Length
      Best Local Similarity 100.0%; Pred. No. 20;
      Matches 21; Conservative 0; Mismatches 0; Indels

QY      1 TGCCTTTCTTTCTCGGCCTC 21
        |||
Db      1 TGCCTTTCTTTCTCGGCCTC 21

RESULT      3
US-09-093-972C-965
  Sequence 965, Application US/09093972C
  GENERAL INFORMATION:
    APPLICANT: Nyce, Jonathan W.
    TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD
      & TREATMENT OF DISEASES & CONDITIONS
      BRONCHOCONSTRICTION, ALLERGY(IES)
    NUMBER OF SEQUENCES: 996
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
      STREET: 7 Clarke Drive
      CITY: Cranbury
      STATE: New Jersey
      COUNTRY: USA
      ZIP: 08512
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.30
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/093,972C
      FILING DATE: 09-Jun-1998
      CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/472,527
      FILING DATE: 7-June-1995
      APPLICATION NUMBER: US 08/757,024
      FILING DATE: 26-11-1996
      APPLICATION NUMBER: US 08/472,527
      FILING DATE: 7-June-1995
      APPLICATION NUMBER: US 09/016,464
      FILING DATE: 30-January-1998
    ATTORNEY/AGENT INFORMATION:
      NAME: Amzel, Viviana
      REGISTRATION NUMBER: 30,930

```

REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 965:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 965:
US-09-093-972c-965

Query Match 100.0%; Score 21; DB 14; Length 21;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
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DB 1 TGCTTTCTTTCTGGGCTC 21

RESULT 4

US-09-509-152A-968
Sequence 968, Application US/09509152A
GENERAL INFORMATION:

APPLICANT: NYCE, JONATHAN W.
TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
FORMULATIONS, KITS & APPLICATIONS

NUMBER OF SEQUENCES: 2419

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 CLARKE DRIVE

CITY: CRANBURY

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/509,152A

FILING DATE: 17-Mar-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/059,160

FILING DATE: 1997-09-17

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-00991

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 968:

SEQUENCE CHARACTERISTICS:

LENGTH: 21 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 968:

US-09-509-152A-968

Query Match 100.0%; Score 21; DB 19; Length 21;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
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DB 1 TGCTTTCTTTCTGGGCTC 21

RESULT 5

US-09-637-890-7296/c

Sequence 7296, Application US/09637890

GENERAL INFORMATION:

APPLICANT: Gearing, David P.

APPLICANT: Shyjan, Andrew W.

APPLICANT: Holtzman, Douglas A.

APPLICANT: Galvin, Katherine

APPLICANT: Culpepper, Janice A.

APPLICANT: Leiby, Kevin R.

APPLICANT: Vasicek, Tom

APPLICANT: MacBeth, Kyle J.

APPLICANT: Villeva, Jean-Luc M. G.

APPLICANT: Cepada, Mario

APPLICANT: Kingsbury, Gillian A.

APPLICANT: Busfield, Samantha J.

TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES

FILE REFERENCE: 1600.1152-001

CURRENT APPLICATION NUMBER: US/09/637,890

CURRENT FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: 60/147,939

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 10217

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 7296

LENGTH: 183

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)---(183)

OTHER INFORMATION: n = A,T,C or G

US-09-637-890-7296

Query Match 100.0%; Score 21; DB 24; Length 183;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||||
DB 131 TGCTTTCTTTCTGGGCTC 111

RESULT 6

US-09-509-152A-1680

Sequence 1680, Application US/09509152A

GENERAL INFORMATION:

APPLICANT: NYCE, JONATHAN W.

TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION

FORMULATIONS, KITS & APPLICATIONS

NUMBER OF SEQUENCES: 2419

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 CLARKE DRIVE

CITY: CRANBURY

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/509,152A

; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1680:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 329 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1680:
US-09-509-152A-1680

Query Match 100.0%; Score 21; DB 19; Length 329;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
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Db 1 TGCTTTCTTTCTGGGCTC 21

RESULT 7
US-09-528-409-85946
; Sequence 85946, Application US/09528409
; GENERAL INFORMATION:
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Dickson, Mark
; APPLICANT: Jones, Lee W.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; FILE REFERENCE: 774
; CURRENT APPLICATION NUMBER: US/09/528,409
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,453
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 116231
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 85946
; LENGTH: 435
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(435)
; OTHER INFORMATION: n = A,T,C or G
US-09-528-409-85946

Query Match 100.0%; Score 21; DB 19; Length 435;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||||
Db 204 tgctttctttctgggctc 224

RESULT 8
US-09-362-510-18289
; Sequence 18289, Application US/09362510

; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-759CON1
; CURRENT APPLICATION NUMBER: US/09/362,510
; EARLIER FILING DATE: 1999-07-27
; EARLIER APPLICATION NUMBER: US 09/221,820
; NUMBER OF SEQ ID NOS: 62165
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18289
; LENGTH: 476
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(476)
; OTHER INFORMATION: n = A,T,C or G
US-09-362-510-18289

Query Match 100.0%; Score 21; DB 17; Length 476;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||||
Db 437 tgctttctttctgggctc 457

RESULT 9
US-09-362-510A-18289
; Sequence 18289, Application US/09362510A
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-759CON1
; CURRENT APPLICATION NUMBER: US/09/362,510A
; EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: US 09/221,820
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 62165
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18289
; LENGTH: 476
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(476)
; OTHER INFORMATION: n = A,T,C or G
US-09-362-510A-18289

Query Match 100.0%; Score 21; DB 17; Length 476;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||||
Db 437 tgctttctttctgggctc 457

RESULT 10
US-09-587-373-366
; Sequence 366, Application US/09587373
; GENERAL INFORMATION:
; APPLICANT: Hodgson, David M.
; APPLICANT: Lincoln, Stephen E.
; APPLICANT: Russo, Frank D.
; APPLICANT: Spiro, Peter A.

APPLICANT: Banville, Steve C.
APPLICANT: Bratcher, Shawn R.
APPLICANT: Dufour, Gerard E.
APPLICANT: Cohen, Howard J.
APPLICANT: Rosen, Bruce
APPLICANT: Chalup, Michael S.
APPLICANT: Hillman, Jennifer L.
APPLICANT: Jones, Anissa L.
APPLICANT: Yu, Jimmy Y.
APPLICANT: Greenawalt, Lila B.
APPLICANT: Panzer, Scott R.
APPLICANT: Roseberry, Ann M.
APPLICANT: Wright, Rachel J.
APPLICANT: Daniels, Susan E.
TITLE OF INVENTION: RECEPTOR MOLECULES
FILE REFERENCE: PT-0026 US
CURRENT APPLICATION NUMBER: US/09/587,373
CURRENT FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/137,394
PRIOR FILING DATE: 1999-06-03
PRIOR APPLICATION NUMBER: US 60/137,412
PRIOR FILING DATE: 1999-06-03
PRIOR APPLICATION NUMBER: US 60/147,377
PRIOR FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: US 60/147,501
PRIOR FILING DATE: 1999-08-05
PRIOR APPLICATION NUMBER: US 60/147,500
PRIOR FILING DATE: 1999-08-05
NUMBER OF SEQ ID NOS: 540
SOFTWARE: PERL Program
SEQ ID NO 366
LENGTH: 520
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: Incyte ID No: 375299.1
NAME/KEY: unsure
LOCATION: 281, 445
OTHER INFORMATION: a, t, c, g, or other
US-09-587-373-366

Query Match 100.0%; Score 21; DB 22; Length 520;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTTTCTTTCTGGGCTC 21
|||||
Db 498 tgctttctttctgggctc 518

RESULT 11
US-09-016-434-1357/c
Sequence 1357, Application US/09016434
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1357:
SEQUENCE CHARACTERISTICS:
LENGTH: 2988 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g400451
US-09-016-434-1357

Query Match 100.0%; Score 21; DB 14; Length 2988;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCTTTCTTTCTGGGCTC 21
|||||
Db 494 TGCTTTCTTTCTGGGCTC 474

RESULT 12
US-09-509-152A-2409
Sequence 2409, Application US/09509152A
GENERAL INFORMATION:
APPLICANT: NYCE, JONATHAN W.
TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
FORMULATIONS, KITS & APPLICATIONS
NUMBER OF SEQUENCES: 2419
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 CLARKE DRIVE
CITY: CRANBURY
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/509,152A
FILING DATE: 17-Mar-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/059,160
FILING DATE: 1997-09-17
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00991
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <unknown>
INFORMATION FOR SEQ ID NO: 2409:
SEQUENCE CHARACTERISTICS:

; LENGTH: 7800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2409:
US-09-509-152A-2409

Query Match 100.0%; Score 21; DB 19; Length 7800;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||
Db 52 TGCTTTCTTTCTGGGCTC 72

RESULT 13

US-60-245-225-141/c
; Sequence 141, Application US/60245225
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CLO00885
; CURRENT APPLICATION NUMBER: US/60/245,225
; CURRENT FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 705
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 141
; LENGTH: 13210
; TYPE: DNA
; ORGANISM: Human
US-60-245-225-141

Query Match 100.0%; Score 21; DB 56; Length 13210;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||
Db 885 TGCTTTCTTTCTGGGCTC 865

RESULT 14

US-09-605-699-20494
; Sequence 20494, Application US/09605699
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Polynucleotides, Materials Incorporating
; TITLE OF INVENTION: Them, and Methods for Using Them
; FILE REFERENCE: 11000.1041U2
; CURRENT APPLICATION NUMBER: US/09/605,699
; CURRENT FILING DATE: 2000-06-21
; NUMBER OF SEQ ID NOS: 25120
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20494
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Pinus radiata
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(123)
; OTHER INFORMATION: n = A,T,C or G
US-09-605-699-20494

Query Match 87.6%; Score 18.4; DB 23; Length 123;
Best Local Similarity 90.5%; Pred. No. 4.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
|||
Db 43 tgntttcttttttgggctc 63

RESULT 15

US-09-504-577-67
; Sequence 67, Application US/09504577
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; FILE REFERENCE: PO47
; CURRENT APPLICATION NUMBER: US/09/504,577
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 60/120,434
; PRIOR FILING DATE: 1999-02-16
; NUMBER OF SEQ ID NOS: 2263
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (261)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (270)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (271)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (272)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (273)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-504-577-67

Query Match 87.6%; Score 18.4; DB 19; Length 273;
Best Local Similarity 95.0%; Pred. No. 4.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 20
|
Db 40 ttctttcttttctgggctc 59

Search completed: April 26, 2001, 15:32:00
Job time: 30525 sec

Mon Apr 30 10:39:38 2001

us-09-093-972c-965.rnp

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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:26:02 ; Search time 217.85 Seconds
(without alignments)
26.499 Million cell updates/sec

Title: US-09-093-972c-965

Perfect score: 21

Sequence: 1 TGCTTTCTCTTTCTCTGGGCTC 21

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New:**

- 1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq.*
- 2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21	100.0	21	5	US-09-543-679A-968
2	21	100.0	329	5	US-09-543-679A-1680
3	21	100.0	2988	5	US-09-543-679A-2824
4	21	100.0	7800	5	US-09-543-679A-2409
5	21	100.0	12084	6	US-60-248-505-239
6	21	100.0	117608	5	US-09-543-679A-3002
7	17.4	82.9	87137	6	US-60-248-505-20
8	16.8	80.0	730	5	US-09-533-077-143
9	16.8	80.0	147010	6	US-60-248-505-163
10	16.4	78.1	2494	5	US-09-543-679A-2800
11	16.4	78.1	4437	6	US-60-248-505-417
12	16.4	78.1	14607	5	US-09-543-679A-2802
13	16.4	78.1	103831	6	US-60-248-505-160
14	16.4	78.1	176251	6	US-60-248-505-361
15	16.4	78.1	239630	6	US-60-248-505-158
16	16.4	78.1	449171	6	US-60-248-505-42
17	16.2	77.1	186	5	US-09-540-212A-46672
18	16.2	77.1	517	4	US-08-276-163D-2731
19	16.2	77.1	13467	1	PCT-US01-01339-8632
20	16.2	77.1	21458	1	PCT-US01-01339-8810
21	16.2	77.1	38136	6	US-60-248-505-645
22	15.8	75.2	255	5	US-09-724-866A-12467
23	15.8	75.2	268	5	US-09-540-212A-49799
24	15.8	75.2	275	5	US-09-540-212A-19893
25	15.8	75.2	335	5	US-09-540-212A-19893
26	15.8	75.2	386	5	US-09-724-866A-12466
27	15.8	75.2	2625	5	US-09-801-833-7444

c 28	15.8	75.2	3409	1	PCT-US01-10354-5	Sequence 5, Appli
c 29	15.8	75.2	9301	5	US-09-668-021-18	Sequence 18, Appl
c 30	15.8	75.2	29248	6	US-60-248-505-539	Sequence 539, App
c 31	15.8	75.2	30952	6	US-60-248-505-412	Sequence 412, App
c 32	15.8	75.2	43546	6	US-60-254-168-38	Sequence 38, Appl
c 33	15.8	75.2	82150	6	US-60-248-505-268	Sequence 268, App
c 34	15.8	75.2	122715	6	US-60-248-505-46	Sequence 46, Appl
c 35	15.8	75.2	122715	6	US-60-248-505-507	Sequence 507, App
c 36	15.8	75.2	562638	5	US-09-335-032-12211	Sequence 12211, A
c 37	15.4	73.3	254	5	US-09-540-212A-17235	Sequence 17235, A
c 38	15.4	73.3	25764	6	US-60-248-823-9	Sequence 9, Appli
c 39	15.4	73.3	46334	6	US-60-248-505-118	Sequence 118, App
c 40	15.4	73.3	69937	6	US-60-248-823-29	Sequence 29, Appl
c 41	15.4	73.3	197997	5	US-09-822-246-3	Sequence 3, Appli
c 42	15.4	73.3	784328	5	US-09-335-032-12217	Sequence 12217, A
c 43	15.2	72.4	200	5	US-09-724-866A-15967	Sequence 15967, A
c 44	15.2	72.4	209	5	US-09-724-866A-18835	Sequence 18835, A
c 45	15.2	72.4	236	5	US-09-540-212A-17198	Sequence 17198, A

ALIGNMENTS

RESULT 1

US-09-543-679A-968

; Sequence 968, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; INFORMATION FOR SEQ ID NO: 968:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 21 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 968:

US-09-543-679A-968

Query Match

Best Local Similarity 100.0%; Score 21; DB 5; Length 21;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCCTC 21
|||||
Db 1 TGCTTTCTTTCTGGGCCTC 21

RESULT 2

US-09-543-679A-1680
; Sequence 1680, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCOUSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 1680:

SEQUENCE CHARACTERISTICS:
LENGTH: 329 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1680:

US-09-543-679A-1680

Query Match 100.0%; Score 21; DB 5; Length 329;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCCTC 21
|||||
Db 1 TGCTTTCTTTCTGGGCCTC 21

RESULT 3

US-09-543-679A-2824/c
; Sequence 2824, Application US/09543679A
; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958
FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2824:

SEQUENCE CHARACTERISTICS:

LENGTH: 2988 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2824:

US-09-543-679A-2824

Query Match 100.0%; Score 21; DB 5; Length 2988;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCCTC 21
|||||

Db 494 TGCTTTCTTTCTGGGCCTC 474

RESULT 4

US-09-543-679A-2409
; Sequence 2409, Application US/09543679A
; GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCOUSTRICTION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

```
;
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2409:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2409:
US-09-543-679A-2409

Query Match          100.0%; Score 21; DB 5; Length 7800;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCCTTTCTTTCTGGGCCTC 21
   |||||
Db 52 TGCCTTTCTTTCTGGGCCTC 72

RESULT 5
US-60-248-505-239/c
; SEQUENCE 239, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; FILE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 239
; LENGTH: 12084
; TYPE: DNA
; ORGANISM: human
US-60-248-505-239

Query Match          100.0%; Score 21; DB 6; Length 12084;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCCTTTCTTTCTGGGCCTC 21
   |||||
Db 603 TGCCTTTCTTTCTGGGCCTC 583

RESULT 6
US-09-543-679A-3002
; SEQUENCE 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
```

```
;
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match          100.0%; Score 21; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGCCTTTCTTTCTGGGCCTC 21
   |||||
Db 52 TGCCTTTCTTTCTGGGCCTC 72

RESULT 7
US-60-248-505-20/c
; SEQUENCE 20, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; FILE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 87137
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(87137)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-20

Query Match          82.9%; Score 17.4; DB 6; Length 87137;
Best Local Similarity 94.7%; Pred. No. 70;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 CTCTCTTTCTGGGCCTC 21
   |||||
Db 26487 CTCTCTTTCTGGGCCTC 26469
```

RESULT 8
US-09-533-077-143
; Sequence 143, Application US/09533077
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C5
; CURRENT APPLICATION NUMBER: US/09/533,077
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 800
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 143
; LENGTH: 730
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(730)
; OTHER INFORMATION: n = A,T,C or G
US-09-533-077-143

Query Match 80.0%; Score 16.8; DB 5; Length 730;
Best Local Similarity 85.7%; Pred. No. 78;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TGCTTTCTTTCTGGGCTC 21
| |||| ||| ||||| |||||
Db 545 ttcttcttctgtgggctc 565

RESULT 9
US-60-248-505-163/c
; Sequence 163, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 163
; LENGTH: 147010
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(147010)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-163

Query Match 80.0%; Score 16.8; DB 6; Length 147010;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GCTTTCTTTCTGGGCTC 21
||| |||| ||||| |||||
Db 16325 GCTTGCTTTGCTGGGCTC 16306

RESULT 10
US-09-543-679A-2800
; Sequence 2800, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRUCTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2800:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2800
US-09-543-679A-2800

Query Match 78.1%; Score 16.4; DB 5; Length 2494;
Best Local Similarity 94.4%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TTTTCTTTCTGGGCTC 21
||||| ||||| ||||| |||||
Db 850 TTTTCTTTCTGGGCTC 867

RESULT 11
US-60-248-505-417/c
; Sequence 417, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 417
; LENGTH: 4437
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(4437)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-417

Query Match 78.1%; Score 16.4; DB 6; Length 4437;
Best Local Similarity 94.4%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TTTTCTTTCTGGGCCTC 21
|||||
Db 4159 TTTTCTTTCTGGGCCTC 4142

RESULT 12

US-09-543-679A-2802
; Sequence 2802, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512

COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543, 679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127, 958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2802:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14607 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2802
US-09-543-679A-2802

Query Match 78.1%; Score 16.4; DB 5; Length 14607;
Best Local Similarity 94.4%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TTTTCTTTCTGGGCCTC 21
|||||
Db 11546 TTTTCTTTCTGGGCCTC 11563

RESULT 13

US-60-248-505-160
; Sequence 160, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED

; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160
; LENGTH: 103631
; TYPE: DNA
; ORGANISM: human
US-60-248-505-160

Query Match 78.1%; Score 16.4; DB 6; Length 103631;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCTTTTCTTTCTGGGCC 19
|||||
Db 864 gctctctcttctgggcc 881

RESULT 14

US-60-248-505-361
; Sequence 361, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 361
; LENGTH: 176251
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(176251)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-361

Query Match 78.1%; Score 16.4; DB 6; Length 176251;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TTTTCTTTCTGGGCCTC 21
|||||
Db 106412 tttctctctgggccctc 106429

RESULT 15

US-60-248-505-158
; Sequence 158, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158
; LENGTH: 239630
; TYPE: DNA
; ORGANISM: human

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(239630)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-158
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Query Match      78.1%; Score 16.4; DB 6; Length 239630;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      4 TTTTCTTTCTGGGCTC 21
        ||||| ||||| |||||
Db 61991 tttctctctggcctc 62008
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Search completed: April 26, 2001, 17:26:16
Job time: 61713 sec
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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 15:32:00 ; Search time 11829.6 seconds
(without alignments)
8.362 Million cell updates/sec

Title: US-09-093-972C-966

Perfect score: 19

Sequence: 1 TGTGGCTGTTTCTG 19

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 2603265903 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	19	100.0	19	14	US-09-093-972C-966
2	19	100.0	19	19	US-09-509-152A-969
3	19	100.0	329	19	US-09-509-152A-1680
c 4	19	100.0	2988	14	US-09-016-43A-1357
5	19	100.0	7800	19	US-09-509-152A-2409
c 6	18	94.7	452	30	US-09-770-44A-644
c 7	18	94.7	824	25	US-09-654-617-177539
c 8	18	94.7	824	27	US-09-684-016-177539
9	18	94.7	15580	1	PCT-US01-01354-20246
10	18	94.7	24626	56	US-60-242-679-178
11	18	94.7	78181	20	US-09-534-859-804
12	17.4	91.6	329	18	US-09-406-292A-585
13	17.4	91.6	465	25	US-09-654-617-187861
c 14	17.4	91.6	465	27	US-09-684-016-187861
15	17.4	91.6	633	48	US-60-160-209-515
c 16	17.4	91.6	1246	28	US-09-703-708-2078
c 17	17.4	91.6	1246	48	US-60-164-320-2078
c 18	17.4	91.6	1246	50	US-60-183-791-1791
19	17	89.5	245	14	US-09-036-591-1791
20	17	89.5	245	35	US-60-036-549-1791
c 21	17	89.5	392	29	US-09-724-866-6754
c 22	17	89.5	392	49	US-60-171-432-6754
c 23	17	89.5	403	17	US-09-359-067-2033
24	17	89.5	432	17	US-09-333-534-9858
25	17	89.5	436	18	US-09-404-284-585
26	17	89.5	436	19	US-09-524-038-585
c 27	17	89.5	515	24	US-09-637-890-8627
c 28	17	89.5	515	50	US-60-180-489-584
c 29	17	89.5	558	29	US-09-724-866-10248
c 30	17	89.5	683	49	US-60-171-432-10248
31	17	89.5	692	25	US-09-654-617-127042
32	17	89.5	692	27	US-09-684-016-127042
c 33	17	89.5	13210	56	US-60-245-225-141
c 34	17	89.5	37037	56	US-60-245-228-164
35	17	89.5	59705	56	US-60-248-798-14
c 36	16.4	86.3	104	24	US-09-628-860-2950
c 37	16.4	86.3	248	13	US-08-992-868-1975
c 38	16.4	86.3	269	17	US-09-370-505-550
c 39	16.4	86.3	269	21	US-09-540-229-161194
c 40	16.4	86.3	269	41	US-60-096-463-550
c 41	16.4	86.3	276	14	US-09-040-866-2572
c 42	16.4	86.3	276	20	US-09-535-897-31592
c 43	16.4	86.3	285	16	US-09-244-000A-32520
c 44	16.4	86.3	294	15	US-09-151-199-2362
c 45	16.4	86.3	294	18	US-09-482-965-448

ALIGNMENTS

RESULT 1

US-09-972C-966
; Sequence 966, Application US/09093972C
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
; FILING DATE: 09-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 08/757,024
; FILING DATE: 26-11-1996
; APPLICATION NUMBER: US 08/472,527
; FILING DATE: 7-June-1995
; APPLICATION NUMBER: US 09/016,464
; FILING DATE: 30-January-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 966:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 966:
US-09-093-972C-966

Query Match 100.0%; Score 19; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGGTCTGTTTTTCTG 19
|||||
Db 1 TGTGGTCTGTTTTTCTG 19

RESULT 2

US-09-509-152A-969
; Sequence 969, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-00991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 969:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 969:
US-09-509-152A-969
Query Match 100.0%; Score 19; DB 19; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGTGGTCTGTTTTTCTG 19
|||||
Db 1 TGTGGTCTGTTTTTCTG 19
RESULT 3
US-09-509-152A-1680
; Sequence 1680, Application US/09509152A
; GENERAL INFORMATION:
; APPLICANT: NYCE, JONATHAN W.
; TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
; FORMULATIONS, KITS & APPLICATIONS
; NUMBER OF SEQUENCES: 2419
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 CLARKE DRIVE
; CITY: CRANBURY
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/509,152A
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/059,160
; FILING DATE: 1997-09-17

ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00991
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 1680:
SEQUENCE CHARACTERISTICS:
LENGTH: 329 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1680:
US-09-509-152A-1680

Query Match 100.0%; Score 19; DB 19; Length 329;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGGCTGCTGTTTTTCTG 19
Db 22 TGTGGCTGCTGTTTTTCTG 40

RESULT 4
US-09-016-434-1357/c
Sequence 1357, Application US/09016434
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1357:
SEQUENCE CHARACTERISTICS:
LENGTH: 2988 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: 9400451
US-09-016-434-1357

Query Match 100.0%; Score 19; DB 14; Length 2988;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGGCTGCTGTTTTTCTG 19
Db 531 TGTGGCTGCTGTTTTTCTG 513

RESULT 5
US-09-509-152A-2409
Sequence 2409, Application US/09509152A
GENERAL INFORMATION:
APPLICANT: NYCE, JONATHAN W.
TITLE OF INVENTION: MULTIPLE TARGET HYBRIDIZING COMPOSITION
FORMULATIONS, KITS & APPLICATIONS
NUMBER OF SEQUENCES: 2419
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 CLARKE DRIVE
CITY: CRANEURY
STATE: NJ
COUNTRY: USA
ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/509,152A
FILING DATE: 17-Mar-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/059,160
FILING DATE: 1997-09-17
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00991
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2409:
SEQUENCE CHARACTERISTICS:
LENGTH: 7800 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2409:
US-09-509-152A-2409

Query Match 100.0%; Score 19; DB 19; Length 7800;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGGCTGCTGTTTTTCTG 19
Db 73 TGTGGCTGCTGTTTTTCTG 91

RESULT 6
US-09-770-444-644/c
Sequence 644, Application US/09770444
GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
APPLICANT: An, Yong-Qiang
APPLICANT: Hamilton, Carol M.
APPLICANT: Price, Jennifer L.

US-09-684-016-177539/c
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Mathew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krickler, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2027 (PARA-016PRV)
; CURRENT APPLICATION NUMBER: US/09/7770,444
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,502
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 644
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(452)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-444-644

Query Match 94.7%; Score 18; DB 30; Length 452;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCT 18
|||||

Db 192 TGTGGTCTGTTTTTCT 175

RESULT 7

US-09-654-617-177539/c
; Sequence 177539, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 177539
; LENGTH: 824
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; OTHER INFORMATION: unsure at all n locations
US-09-654-617-177539

Query Match 94.7%; Score 18; DB 25; Length 824;
Best Local Similarity 100.0%; Pred. No. 9.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCT 18
|||||

Db 270 TGTGGTCTGTTTTTCT 253

RESULT 8

US-09-684-016-177539/c
; Sequence 177539, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 177539
; LENGTH: 824
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(824)
; OTHER INFORMATION: unsure at all n locations
US-09-684-016-177539

Query Match 94.7%; Score 18; DB 27; Length 824;
Best Local Similarity 100.0%; Pred. No. 9.9e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCT 18
|||||

Db 270 TGTGGTCTGTTTTTCT 253

RESULT 9

PCT-US01-01354-20246
; Sequence 20246, Application PC/TUS0101354
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc. et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC004PCT
; CURRENT APPLICATION NUMBER: PCT/US01/01354
; CURRENT FILING DATE: 2001-03-17
; NUMBER OF SEQ ID NOS: 42506
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20246
; LENGTH: 15580
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01354-20246

Query Match 94.7%; Score 18; DB 1; Length 15580;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCT 18
|||||

Db 10376 tgggtctgtttttct 10393

RESULT 10

US-60-242-679-178/c
; Sequence 178, Application US/60242679
; GENERAL INFORMATION:
; APPLICANT: Ladunga, Steven Istvan
; APPLICANT: Spier, Eugene
; APPLICANT: Greenberg, Simon
; APPLICANT: Brandenberger, Ralph
; APPLICANT: Wang, Yu
; APPLICANT: Dubman, Alex
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USBS THEREOF
; FILE REFERENCE: CL000898-PROV

; CURRENT APPLICATION NUMBER: US/60/242,679
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 2265
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178
; LENGTH: 24626
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(24626)
; OTHER INFORMATION: n = A,T,C or G
US-60-242-679-178

Query Match 94.7%; Score 18; DB 56; Length 24626;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGCTCTGTTTTTCT 18
| | | | | | | | | | | | | | | | | | | | | |
Db 7337 TGTGCTCTGTTTTTCT 7320

RESULT 11
US-09-534-859-804
; Sequence 804, Application US/09534859
; GENERAL INFORMATION:
; APPLICANT: Bush, David F.
; APPLICANT: Last, Robert L.
; APPLICANT: Levin, Irena M.
; APPLICANT: Norris, Susan R.
; APPLICANT: Parnell, Laurence D.
; APPLICANT: Rounsley, Steven D.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: PLANT POLYMORPHIC MARKERS AND USES THEREOF
; FILE REFERENCE: 38-10(15493)B
; CURRENT APPLICATION NUMBER: US/09/534,859
; CURRENT FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 1127
; SEQ ID NO 804
; LENGTH: 78181
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-534-859-804

Query Match 94.7%; Score 18; DB 20; Length 78181;
Best Local Similarity 100.0%; Pred. No. 2.3e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGCTCTGTTTTTCT 18
| | | | | | | | | | | | | | | | | | | | | |
Db 73482 tgtgctctgtttttcttct 73499

RESULT 12
US-09-406-292A-585/c
; Sequence 585, Application US/09406292A
; GENERAL INFORMATION:
; APPLICANT: Wing, Rod A.
; APPLICANT: Dean, Ralph A.
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ORYZA SATIVA AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: A-30646A
; CURRENT APPLICATION NUMBER: US/09/406,292A
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/101,712
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 5007
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 585
; LENGTH: 329

; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(329)
; OTHER INFORMATION: /clone="nbxb0005ag07.b"
; NAME/KEY: misc.feature
; LOCATION: (1)..(329)
; OTHER INFORMATION: n = a, t, c or g
US-09-406-292A-585

Query Match 91.6%; Score 17.4; DB 18; Length 329;
Best Local Similarity 94.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TGTGCTCTGTTTTTCTG 19
| | | | | | | | | | | | | | | | | | | | | |
Db 170 TGTGGCTGTTTTTCTG 152

RESULT 13
US-09-654-617-187861/c
; Sequence 187861, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 187861
; LENGTH: 465
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; OTHER INFORMATION: unsure at all n locations
US-09-654-617-187861

Query Match 91.6%; Score 17.4; DB 25; Length 465;
Best Local Similarity 94.7%; Pred. No. 1.6e+03;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TGTGCTCTGTTTTTCTG 19
| | | | | | | | | | | | | | | | | | | | | |
Db 314 TGTGCTCGTTTTTCTG 296

RESULT 14
US-09-684-016-187861/c
; Sequence 187861, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 187861
; LENGTH: 465
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(465)
; OTHER INFORMATION: unsure at all n locations
US-09-684-016-187861

Query Match 91.6%; Score 17.4; DB 27; Length 465;
 Best Local Similarity 94.7%; Pred. No. 1.6e+03;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTCTG 19
 ||||| |||||
 Db 314 TGTGGCTGTTTTTTCTG 296

RESULT 15
 US-60-160-209-515
 ; Sequence 515, Application US/60160209
 ; GENERAL INFORMATION:
 ; APPLICANT: BONAZZI, VIVIEN
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CLO00113
 ; CURRENT APPLICATION NUMBER: US/60/160,209
 ; CURRENT FILING DATE: 1999-10-19
 ; NUMBER OF SEQ ID NOS: 4646
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 515
 ; LENGTH: 633
 ; TYPE: DNA
 ; ORGANISM: HUMAN
 ; US-60-160-209-515

Query Match 91.6%; Score 17.4; DB 48; Length 633;
 Best Local Similarity 94.7%; Pred. No. 1.7e+03;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTCTG 19
 ||||| |||||
 Db 450 TGTGGCTGTTTTTTCTG 468

Search completed: April 26, 2001, 15:32:03
 Job time: 30528 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 26, 2001, 17:26:16 ; Search time 217.85 Seconds
(without alignments)
23.976 Million cell updates/sec

Title: US-09-093-972C-966

Perfect score: 19
Sequence: 1 TGTGGCTGTTTTTCTG 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 187195 seqs, 137450115 residues

Total number of hits satisfying chosen parameters: 374390

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Pending Patents, NA, New: *
- 1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*
 - 2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*
 - 3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*
 - 4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*
 - 5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*
 - 6: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	19	100.0	19	5	US-09-543-679A-969
2	19	100.0	329	5	US-09-543-679A-1680
3	19	100.0	2988	5	US-09-543-679A-2824
4	19	100.0	7800	5	US-09-543-679A-2409
5	19	100.0	117808	5	US-09-543-679A-3002
6	17	89.5	392	5	US-09-724-866A-6754
7	17	89.5	683	5	US-09-724-866A-10248
8	17	89.5	12084	6	US-60-248-505-239
9	16.4	86.3	575	5	US-09-801-833-5228
10	16.4	86.3	4494	5	US-09-801-833-8013
11	16.4	86.3	118467	6	US-60-248-505-51
12	15.8	83.2	210	5	US-09-540-212A-40840
13	15.8	83.2	571	5	US-09-487-568A-495
14	15.8	83.2	2377	1	PCT-US01-08117-132
15	15.8	83.2	2377	1	PCT-US01-08117-132
16	15.8	83.2	4235	5	US-09-533-077-317
17	15.8	83.2	7599	1	PCT-US01-01339-6850
18	15.8	83.2	163285	5	US-60-248-505-198
19	15.8	83.2	397688	6	US-09-813-320-3
20	15.8	83.2	403789	6	US-60-248-505-197
21	15.4	81.1	257	5	US-09-540-212A-6108
22	15.4	81.1	595	5	US-09-540-212A-62241
23	15.4	81.1	54976	6	US-60-248-505-149
24	15	78.9	232	5	US-09-540-212A-1691
25	15	78.9	147068	6	US-60-248-505-357
26	15	78.9	177540	6	US-60-254-168-44
27	15	78.9	334854	6	US-60-248-505-28

28	15	78.9	562638	5	US-09-335-032-12211	Sequence 12211, A
29	14.8	77.9	205	1	PCT-US01-01351-14	Sequence 14, Appl
30	14.8	77.9	255	5	US-09-540-212A-25678	Sequence 25678, A
31	14.8	77.9	265	5	US-09-540-212A-50778	Sequence 50778, A
32	14.8	77.9	265	5	US-09-540-212A-66293	Sequence 66293, A
33	14.8	77.9	268	5	US-09-540-212A-22336	Sequence 22336, A
34	14.8	77.9	272	5	US-09-540-212A-36378	Sequence 36378, A
35	14.8	77.9	297	5	US-09-540-212A-63297	Sequence 63297, A
36	14.8	77.9	365	1	PCT-US01-01339-5995	Sequence 5995, Ap
37	14.8	77.9	585	5	US-09-739-449-3311	Sequence 3311, Ap
38	14.8	77.9	658	1	PCT-US01-01339-7576	Sequence 7576, Ap
39	14.8	77.9	660	1	PCT-US01-01339-1232	Sequence 1232, Ap
40	14.8	77.9	984	5	US-09-801-833-848	Sequence 848, App
41	14.8	77.9	997	5	US-09-739-449-626	Sequence 626, App
42	14.8	77.9	1158	5	US-09-801-833-6387	Sequence 6387, Ap
43	14.8	77.9	1204	5	US-09-739-449-378	Sequence 378, App
44	14.8	77.9	1286	1	PCT-US01-01339-7268	Sequence 7268, Ap
45	14.8	77.9	1286	1	PCT-US01-01339-7269	Sequence 7269, Ap

ALIGNMENTS

RESULT 1

US-09-543-679A-969
; Sequence 969, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Anzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 969:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 969:
US-09-543-679A-969

Query Match 100.0%; Score 19; DB 5; Length 19;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 19
Db 1 TGTGGTCTGTTTTTCTG 19

RESULT 2
US-09-543-679A-1680
; Sequence 1680, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1680:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 329 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1680:
US-09-543-679A-1680

Query Match 100.0%; Score 19; DB 5; Length 329;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 19
Db 22 TGTGGTCTGTTTTTCTG 40

RESULT 3
US-09-543-679A-2824/c
; Sequence 2824, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2824:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2988 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2824:
US-09-543-679A-2824

Query Match 100.0%; Score 19; DB 5; Length 2988;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 19
Db 531 TGTGGTCTGTTTTTCTG 513

RESULT 4
US-09-543-679A-2409
; Sequence 2409, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958

;; FILING DATE: 1998-08-03
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: EPI-0067191b
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 609-409-3035
;; TELEFAX: 413-254-9245
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 2409:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 7800 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2409:
US-09-543-679A-2409

Query Match 100.0%; Score 19; DB 5; Length 7800;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 19
|||||
Db 73 TGTGGTCTGTTTTTCTG 91

RESULT 5
US-09-543-679A-3002
; Sequence 3002, Application US/09543679A
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
; COMPOSITIONS, KIT & METHOD FOR TREATMENT
; OF AIRWAY DISORDERS ASSOCIATED WITH
; BRONCHOCONSTRICTION, LUNG INFLAMMATION,
; NUMBER OF SEQUENCES: 3111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: NJ
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: N/A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/543,679A
; FILING DATE: 13-Apr-2000
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/127,958
; FILING DATE: 1998-08-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: EPI-0067191b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-409-3035
; TELEFAX: 413-254-9245
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3002:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3002:
US-09-543-679A-3002

Query Match 100.0%; Score 19; DB 5; Length 117608;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 19
|||||
Db 73 TGTGGTCTGTTTTTCTG 91

RESULT 6
US-09-724-866A-6754/c
; Sequence 6754, Application US/09724866A
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Polynucleotides, Material Incorporating
; FILE REFERENCE: 11000.1049BU
; CURRENT APPLICATION NUMBER: US/09/724,866A
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/171,432
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 24913
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6754
; LENGTH: 392
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(392)
; OTHER INFORMATION: n = A,T,C or G
US-09-724-866A-6754

Query Match 89.5%; Score 17; DB 5; Length 392;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGTCTGTTTTTCTG 17
|||||
Db 246 TGTGGTCTGTTTTTCTG 230

RESULT 7
US-09-724-866A-10248/c
; Sequence 10248, Application US/09724866A
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Polynucleotides, Material Incorporating
; FILE REFERENCE: 11000.1049BU
; CURRENT APPLICATION NUMBER: US/09/724,866A
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/171,432
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 24913
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10248
; LENGTH: 683
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(683)
; OTHER INFORMATION: n = A,T,C or G
US-09-724-866A-10248

Query Match 89.5%; Score 17; DB 5; Length 683;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTC 17
|||||
Db 250 TGTGGCTGTTTTTTC 234

RESULT 8
US-60-248-505-239/c
; Sequence 239, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 239
; LENGTH: 12084
; TYPE: DNA
; ORGANISM: human
US-60-248-505-239

Query Match 89.5%; Score 17; DB 6; Length 12084;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTC 17
|||||
Db 1233 TGTGGCTGTTTTTTC 1217

RESULT 9
US-09-801-833-5228
; Sequence 5228, Application US/09801833
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; TITLE OF INVENTION: HUMAN BRAIN LIBRARY
; FILE REFERENCE: 1600.1037-005
; CURRENT APPLICATION NUMBER: US/09/801,833
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/371,168
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: 60/095,907
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/103,145
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 8285
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5228
; LENGTH: 575
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(575)
; OTHER INFORMATION: n = A,T,C or G
US-09-801-833-5228

Query Match 86.3%; Score 16.4; DB 5; Length 575;
Best Local Similarity 94.4%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTC 18
|||||
Db 112 tgtgatctgtttttct 129

RESULT 10
US-09-801-833-8013
; Sequence 8013, Application US/09801833
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; TITLE OF INVENTION: HUMAN BRAIN LIBRARY
; FILE REFERENCE: 1600.1037-005
; CURRENT APPLICATION NUMBER: US/09/801,833
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/371,168
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: 60/095,907
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/103,145
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 8285
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8013
; LENGTH: 4494
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(4494)
; OTHER INFORMATION: n = A,T,C or G
US-09-801-833-8013

Query Match 86.3%; Score 16.4; DB 5; Length 4494;
Best Local Similarity 94.4%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTC 18
|||||
Db 264 tgtgatctgtttttct 281

RESULT 11
US-60-248-505-51
; Sequence 51, Application US/60248505
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: c1000918
; CURRENT APPLICATION NUMBER: US/60/248,505
; CURRENT FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 1998
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 118467
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(118467)
; OTHER INFORMATION: n = A,T,C or G
US-60-248-505-51

Query Match 86.3%; Score 16.4; DB 6; Length 118467;
Best Local Similarity 94.4%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGTGGCTGTTTTTTC 18
|||||
Db 16423 tgtgatctgtttttct 16440

RESULT 12
US-09-540-212A-40840

; Sequence 40840, Application US/09540212A
; GENERAL INFORMATION:
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Delegeane, Angelo M.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Stuve, Laura L.
; APPLICANT: Mullaby, Sara J.
; APPLICANT: Naughton, Rebecca E.
; TITLE OF INVENTION: POLYNUCLEOTIDES OF AIRWAY AND LUNG SYSTEM TISSUE
; FILE REFERENCE: PD-1034 CIP
; CURRENT APPLICATION NUMBER: US/09/540,212A
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 67551
; SOFTWARE: PERL Program
; SEQ ID NO 40840
; LENGTH: 210
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00258737
US-09-540-212A-40840

Query Match 83.2%; Score 15.8; DB 5; Length 210;
Best Local Similarity 89.5%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGTGCTCTGTTTTTCTG 19
||||| ||||| ||||| |||||
Db 88 tgtgctctgtgttttctg 106

RESULT 13
US-09-487-566A-495/c
; Sequence 495, Application US/09487566A
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 44
; FILE REFERENCE: PO-44
; CURRENT APPLICATION NUMBER: US/09/487,566A
; CURRENT FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: 60/116,668
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 5508
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 495
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (150)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (213)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (285)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (298)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (362)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (414)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (423)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature

; LOCATION: (434)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (466)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (523)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (539)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (562)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (563)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (571)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-487-566A-495

Query Match 83.2%; Score 15.8; DB 5; Length 571;
Best Local Similarity 89.5%; Pred. No. 2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGTGCTCTGTTTTTCTG 19
||||| ||||| ||||| |||||
Db 170 TGTGCTCTGTTTTTCTG 152

RESULT 14
US-09-739-449-2634
; Sequence 2634, Application US/09739449
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)C
; CURRENT APPLICATION NUMBER: US/09/739,449
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/514,000
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 13351
; SEQ ID NO 2634
; LENGTH: 837
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(837)
; OTHER INFORMATION: unsure at all n locations
US-09-739-449-2634

Query Match 83.2%; Score 15.8; DB 5; Length 837;
Best Local Similarity 89.5%; Pred. No. 2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGTGCTCTGTTTTTCTG 19
||||| ||||| ||||| |||||
Db 447 tgtgctctgtgttttctg 465

RESULT 15
PCT-US01-08117-132
; Sequence 132, Application PC/TUS0108117
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YUE, Henry

; APPLICANT: LAL, Preeti
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: MATHUR, Preete
; APPLICANT: SHAH, Purvi
; APPLICANT: REDDY, Roopa
; APPLICANT: AU-YOUNG, Janice
; TITLE OF INVENTION: TRANSCRIPTION FACTORS
; FILE REFERENCE: PF-0761 PCT
; CURRENT APPLICATION NUMBER: PCT/US01/08117
; CURRENT FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 214
; SOFTWARE: PERL Program
; SEQ ID NO 132
; LENGTH: 2377
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 1383473CB1
PCT-US01-08117-132

Query Match 83.2%; Score 15.8; DB 1; Length 2377;
Best Local Similarity 89.5%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 1 TGTGTCGTGTTTTTCTG 19
Db 1508 tgtctctgtttttctg 1526

Search completed: April 26, 2001, 17:26:21
Job time: 61718 sec